FAIRFIELD UNIVERSITY

THE COLLEGE OF ARTS AND SCIENCES
THE SCHOOL OF NURSING

1977-78

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AD MAIOREM DEI GLORIAM

FAIRFIELD UNIVERSITY

THE COLLEGE OF ARTS AND SCIENCES

THE SCHOOL OF NURSING

CATALOGUE ISSUE

1977-1978

Fairfield, Connecticut

Volume XXIX Number 2

THE OBJECTIVES
OF
FAIRFIELD UNIVERSITY

Fairfield University is an academic institution established by the Jesuit Fathers whose primary objective is the development of the creative intellectual potential of its students in a context of religious commitment.

This it does by providing:

A respect for truth as the driving force of its community.

Freedom of inquiry as the best means for attaining truth.

A faculty of scholars and teachers as directors of the process.

A curriculum of liberal arts and sciences.

A humanistic and socially conscious environment as the setting for the learning community.

An institutional Catholic commitment as a way of life.

It welcomes all persons regardless of race, color or creed who share its vision, respect its process, and wish to participate in its community.

The New England Association of Schools and Colleges accredits schools and colleges in the six New England states. Membership in one of the six regional accrediting associations in the United States indicates that the school or college has been carefully evaluated and found to meet standards agreed upon by qualified educators. Colleges support the efforts of public school and community officials to have their secondary school meet the standards of membership.

Fairfield University
Fairfield, Connecticut
Phone: 203-255-5411

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Admissions Office	Canisius Hall
Dean of Arts & Sciences	Canisius Hall
Dean of Nursing School	School of Nursing
Dean of Student Services	Loyola Hall
Financial Aid	Canisius Hall
Jesuit Community	Bellarmine Hall
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Registrar	Canisius Hall
Student Residence Information	Loyola Hall

FAIRFIELD UNIVERSITY
CAMPUS

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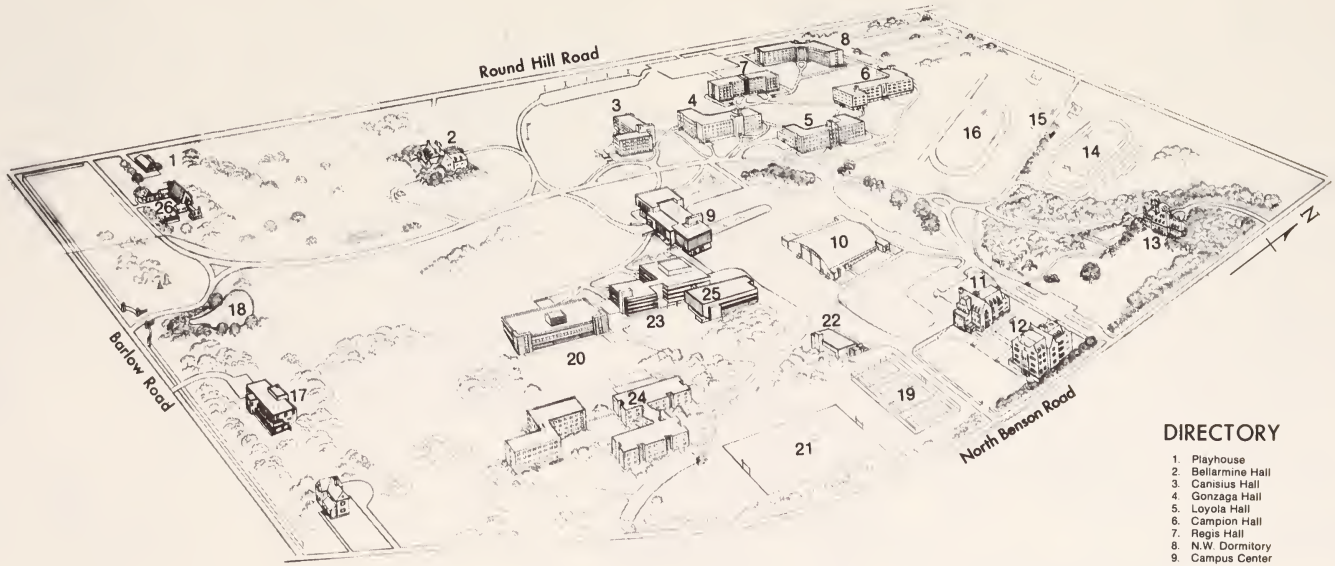
FROM NEW YORK
Take Exit 22
Left on Round Hill Rd.

FROM MERRITT PARKWAY
Take Exit 44
Black Rock Turnpike
Turn Right at Stillson Rd.
Bear Left into N. Benson Rd.



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1. Playhouse
2. Bellarmine Hall
3. Canisius Hall
4. Gonzaga Hall
5. Loyola Hall
6. Campion Hall
7. Regis Hall
8. N.W. Dormitory
9. Campus Center
10. Gymnasium
11. Berchmans Hall
12. Xavier Hall
13. McAuliffe Hall
14. Alumni Field
15. Concert Shell
16. Varsity Field
17. Jesuit Residence
18. Bellarmine Pond
19. Tennis Courts
20. Library
21. Grauert Field
22. Central Utility Facility
23. Science Building
24. S.E. Dormitory
25. School of Nursing
26. Maintenance

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CONTENTS

Academic Calendar 8
Trustees and Officers 9
Faculty 12
General Information 21
Educational Policy 23
General Regulations 26
Student Expenses 30
Curricula 32
- Bachelor of Arts 34
- Bachelor of Science 35

Course Descriptions
- Business Administration 41
- Biology 46
- Chemistry 51
- Classics 54
- Economics 56
- Education 58
- Engineering 108
- English 60
- Fine Arts 68
- History 73
- Mathematics 83
- Modern Languages 86
- Nursing 97
- Philosophy 99
- Physics 104
- Politics 109
- Psychology 113
- Religious Studies 117
- Sociology 123

Financial Aid 127
Degrees Conferred 129
Enrollment Statistics 136

Academic Calendar
College of Arts and Sciences
1977-78

1977

Sunday	September 4-6	Freshman Orientation
Tuesday	September 6	All other students arrive
Wednesday	September 7	Classes for all
Monday	October 10	Holiday—Columbus
Tuesday	November 1	Holyday & Holiday—All Saints Day
Tuesday	November 22	Thanksgiving recess begins at the end of last period
Monday	November 28	Classes resume
Thursday	December 8	Holyday & Holiday
Wednesday	December 14	Reading Day
Thursday	December 15 to	Final exams including Saturdays
Friday	December 23	
Tuesday	December 20	Reading Day

1978

Monday	January 23	Second Semester Begins
Monday	February 20	Holiday—Presidents' Day
Friday	March 10	Holiday—Ecumenical Day
Thursday-Friday	March 23-31	Spring Recess
Monday	April 3	Classes Resume
Monday	April 17	Holiday—Black Leaders
Thursday	May 4	Holiday—Holyday
Thursday	May 11	Reading Day
Friday	May 12 to	Final exams including Saturdays
Saturday	May 20	
Wednesday	May 17	Reading Day
Sunday	May 28	Commencement

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Admissions and Scholarships
Athletics
Corporation Conference
Educational Planning
General Education
Graduate Schools
Library
Liturgy and Religious Life
Library
Liturgy and Religious Life
Nominations
Public Lectures and Events
Rank and Tenure
Research
Salary
Student Affairs
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Jerome A. Meli — *Associate Professor of Physics*
B.S., Manhattan College; M.S., Ph.D., University of Connecticut

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A.B., M.A., Boston College; S.T.L., Weston College;
S.T.D., Gregorian University

Edmund J. O'Connell, Jr. *Professor of Chemistry*
B.S., Providence College; Ph.D., Yale University

Leo F. O'Connor *Associate Professor of English*
B.S., St. Peter's College; M.A., Ph.D., New York University

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M.Ed., Bridgewater State College

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Ph.D., Case Western Reserve University

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B.S., Trinity College; B.S., Virginia Polytechnic Institute;
Ph.D., University of Connecticut

Rev. Albert F. Reddy, S.J. — *Assistant Professor of English*
A.B., M.A., Boston College; M.A., Middlebury University;
S.T.L., Weston College; Ph.D., University of Massachusetts

Mariann S. Regan — *Associate Professor of English*
A.B., Duke University; M.A., Ph.D., Yale University

Richard J. Regan — *Assistant Professor of English*
A.B., College of the Holy Cross; M.A., Ph.D., University of Connecticut

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Frank J. Rice — *Associate Professor of Biology*
B.S., Colorado State University; M.S., University of Wyoming;
Ph.D., University of Missouri

Arthur R. Riel, Jr. — *Professor of English*
A.B., College of the Holy Cross; M.A., Boston University

Nicholas M. Rinaldi — *Professor of English*
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A.B., Fairfield University; M.A., Ph.D., New York University

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Dorothy B. Shaffer — *Professor of Mathematics*
A.B., Bryn Mawr College; M.A., Ph.D., Radcliffe College

Randolph P. Shaffner — *Assistant Professor of English*
A.B., M.A., Ph.D., University of North Carolina

Sherry L. Shamansky — *Assistant Professor of Nursing*
B.S., Simmons College; M.S.N., Yale University

Barbara Sideleau — *Assistant Professor of Nursing*
B.S., University of Bridgeport; M.S.N., Yale University

Bolesh J. Skutnik *Assistant Professor of Chemistry*
B.S., Seton Hall University ; M.S., Ph.D., Yale University

Rev. Walter J. Smith, S.J. *Assistant Professor of Psychology*
A.B., M.A., Boston College; M. Ed., Ph.D., Boston University

D. Raymond Stabile *Assistant Professor of Modern Language*
B.A., M.A., University of Connecticut

John C. Thiel *Assistant Professor of Religious Studies*
A.B., Fairfield University; M.A., Ph.D., McMaster University

Lik Kuen Tong *Associate Professor of Philosophy*
B.S., New York University; Ph.D., New School for Social Research

Michael J. Twohig *Assistant Professor of Accounting*
A.B., Colby College; M.B.A., Dartmouth College; C.P.A., Connecticut

John E. Velazquez *Assistant Professor of Modern Languages*
B.B.A., M.A., Hofstra University; M.A., New York University

Joan C. Walters *Professor of Economics*
A.B., M.A., Ph.D., Radcliffe College

Robert M. Webster *Assistant Professor of Modern Language*
A.B., M.A., Middlebury College; Ph.D., Yale University

Celia Wells *Associate Professor of English*
A.B., Meredith College; M.A., Florida State University;
Ph.D., Columbia University

Rev. Maurice K. Wong, S.J. *Associate Professor of Mathematics*
B.S., University of Hong Kong; Ph.D., University of Birmingham

Mark Worden *Assistant Professor of Psychology*
A.B., Bellarmine College; M.S., Ph.D., St. Louis University

Rev. James Yannarell, S.J. *Assistant Professor of Religious Studies*
A.B., University of Scranton; S.T.B., Gregorian University;
S.T.L., S.T.D., University of St. Thomas

Michael Zabinski *Associate Professor of Physics and Engineering*
B.S., M.S., University of Connecticut; M.S., University of New Haven;
M.S., M. Phil., Ph.D., Yale University

LECTURERS

Charles Abraham	Education
Walter Blogoslawski	Biology
Paul Carrier, S.J.	Religious Studies
John Delaney	Business Administration
Yael Eliasoph	Modern Language
Armand Fabbri	Modern Language
Raymond Holland	Biology
Elizabeth Mutrux	Fine Arts
Robert Mutrux	Fine Arts
Susan Pascucci	English
John Rallo	Modern Language
Laura Ress	English
Jacqueline Rinaldi	English
Rose Rodrigues	Sociology
Frances Rosenberg	Modern Language
Inez Ryan	Fine Arts
Jane Sax	Fine Arts
John Scippa	Fine Arts
Henry Scopp	Business Administration
Kay Shafer	Sociology
Gertrude Sill	Fine Arts
Richard Spinello, S.J.	Philosophy

GENERAL INFORMATION

HISTORY

In the Spring of 1942 Fairfield College of St. Robert Bellarmine, Inc., purchased two adjoining estates in the town of Fairfield for the purpose of establishing an institution of higher learning.

On September 8, 1942, Fairfield College-Preparatory School opened classes in a four-year program. Three hundred and nineteen students were admitted; within about six years the enrollment had risen to almost one thousand.

On May 29, 1945, by special act of the General Assembly of the State of Connecticut signed by His Excellency, Governor Raymond E. Baldwin, an absolute charter was granted to Fairfield University of Saint Robert Bellarmine, Incorporated, empowering it to ". . . establish, organize, maintain and conduct an institution of intermediate, secondary, undergraduate and graduate education in the State of Connecticut . . . to confer all such academic degrees as are usually given in colleges and universities."

The College of Arts and Sciences admitted its first class of three hundred and three students in freshmen year on September 26, 1947. A new class was received each successive year, and the first commencement was held in June, 1951.

The first Summer Session of undergraduate courses was held in 1949, and the program was broadened to include the graduate courses in Education in the session of 1950.

The program of graduate courses preparing for the Master of Arts degree in Education was established on the university campus in the spring semester of 1950.

A graduate program in Communications began in 1966.

In September 1970 the college admitted women to all undergraduate programs and a program in Nursing was established to grant the bachelor's degree for a four year course of studies.

The Center for Lifetime Learning offered its first courses in September 1972 and accepted students for the baccalaureate one year later.

ACCREDITATION

The College of Arts and Sciences was accredited by the State Board of Education of Connecticut in the summer of 1949. In June of the following year the same body approved Fairfield University's education program for teacher certification on the secondary level, and likewise accredited the graduate programs leading to the Master of Arts degree in Elementary and Secondary Administration, Supervision and Guidance.

The most recent renewal of these was in 1977.

In December, 1953, Fairfield University was admitted to fully accredited membership in the New England Association of Schools and Colleges and granted continuing membership in December 1967. In January 1954, the University was admitted to the Association of American Colleges. In February, 1954, Fairfield was voted institutional membership in the American Council on Education.

The American Chemical Society granted its formal approval to the chemistry program in the Spring of 1963.

The School of Nursing has been approved by the Connecticut Commission for Higher Education and the Connecticut State Board of Examiners for Nursing. In 1974 it received formal accreditation from the National League for Nursing.

The University holds memberships in the American Assembly of Collegiate Schools of Business, the American Council on Education, the Association of American Colleges, National Catholic Educational Association, National League for Nursing, American Association of Colleges of Teacher Education, Association of Jesuit Colleges and Universities, Connecticut Conference of Independent Colleges, the Connecticut Council for Higher Education, the Connecticut Association of Colleges and Universities for Teacher Education.

The Faculty is affiliated with American Academy of Political and Social Science, American Accounting Association, American Association for the Advancement of Science, American Association of Collegiate Registrars and Admissions Officers, American Association of Jesuit Scientists (Eastern States Division), American Association of Physics Teachers, American Association of School Administrators, American Association of University Professors, American Catholic Philosophical Association, American Chemical Association, American College Personnel Association, American Economic Association, American Finance Association, American Historical Association, American Institute of Accountants, American Institute of Biological Sciences, American Institute of Physics, American Library Association, American Marketing Association, American Mathematics Society, American Optical Association, American Personnel and Guidance Association, American Philosophical Association, American Physical Society, American Society of Aesthetics, American Sociological Society, American Statistical Association, Association of Modern Language Teachers, College English Association, Connecticut Council Higher Education, Connecticut Council on Teacher Education, Connecticut Library Association, Connecticut Society C.P.A., Econometric Society, Financial Management Association, Jesuit Philosophical Association, Mathematical Association of America, Medieval Academy of America, Metaphysical Society of America, Modern Language Association, National Association of Accountants, National Association of Business Economists, National Education Association, Royal Statistical Society, Society for the Advancement of Management, Urban and Regional Information Systems Association and other learned Societies.

CAMPUS

Fairfield University's campus, comprising more than 200 acres, is endowed with exceptional natural beauty. From an elevation of 180 feet and at a distance of two miles, it commands a broad view of Long Island Sound.

Its nineteen buildings provide residence halls for more than 1500 students and the Jesuit community. Classrooms, general and special laboratories and faculty offices are complemented by library and computer facilities. The Campus Center, gymnasium and theater serve the University community as well as the communities around the campus.

LIBRARY

To perform its functions adequately, a library must possess sufficient resources and provide efficient service. The Nyselius Library building allows for future expansion of the library's collections, and provides study space, primarily at individual carrels, for nearly six hundred students.

More than 300,000 carefully selected books, microforms, and bound periodicals are available for study and research. The spacious reference area contains both older standard works and valuable new sources of information. More than 1500 journals and newspapers are at hand to keep faculty and students fully informed on current developments in all fields. A circulating collection of 1100 phonograph records is also provided.

A library exists for service. At Fairfield we take pride in the type of service that we offer to the entire University community. To stimulate interest in books and reading, the stacks are open to all students. During college terms, the library is open Monday through Friday from 8:30 A.M. to midnight, on Saturday from 9:00 A.M. to 5:00 P.M., and on Sunday from 1:00 P.M. to midnight. University vacation and holiday hours are posted in advance.

EDUCATIONAL POLICY

SYSTEM OF EDUCATION

Fairfield University is an academic institution established by the Jesuit Fathers whose primary objective is the development of the creative intellectual potential of its students within a context of religious commitment.

This it does by providing:

a respect for truth as the driving force of its community.

freedom of inquiry on all levels as the best means for attaining truth.

a humanistic and socially conscious environment as the setting for the learning, maturing and experiencing community.

Fairfield believes in the particular excellence of a liberal arts education and in achieving this objective offers its students a carefully designed selection of liberal arts courses. Courses in each curriculum are drawn from history, languages, mathematics, physical and social sciences, philosophy and theology. Each curriculum provides as well a liberalized introduction to special areas of learning, selected by the student, and provides for the undergraduate's advancement into scholarly or professional studies.

Its ultimate faith in truth as the standard for a university finds application in a dedication to absolute freedom of inquiry, through promotion of a dialogue and concern for the crucial issues of our age.

Fairfield University welcomes students of any race, color, creed, and national or ethnic origin. It is in compliance with Title IX of the Education Amendments of 1972 and does not discriminate on the basis of sex.

RELIGION

Fairfield University, as any educational institution, is primarily devoted to the intellectual development of its students. Since this process is carried out in a larger social context, its religious commitment colors its interests and its environment for living.

Participation in this educational process with its opportunities, formal and informal, for developing new concepts and examining accepted ideas critically involves inevitably a continuing dialogue and the educational experience of learning to live cooperatively with persons of differing views.

This participation is specified by a number of academic and extra-academic opportunities for religious growth. Several departments offer courses directly relevant to Christianity and to other world religions. Catholic students may further explore and express their Christian commitment through participation in many liturgical events, retreats, and social action. Members of the Jesuit faculty are readily available for counseling and spiritual guidance. Protestant and Jewish students have similar opportunities. They are encouraged to deepen the understanding of their own faith through participation in theology courses taught in their own tradition and in extra-academic activities. Protestant and Jewish chaplains are available for consultation on campus. Thus a new ecumenical opportunity is afforded to all students to share their experiences and develop new insights in the mystery and life of religion.

There are no compulsory religious exercises required of any student, but all are encouraged to express their faith freely and openly—and the University strives to provide the resources to make this possible.

GUIDANCE

Spiritual and Moral Guidance

The principles which the student learns in theology and philosophy he must apply to the concrete circumstances of his own life and eternal salvation. Should he have doubts or meet difficulties, as often happens, in making that application, Counselors are ready to assist him. Students are free to seek counsel in personal, spiritual, or moral matters from any member of the Faculty, a large number of whom are priests.

Vocational, Educational and Personal Guidance

Entering students are introduced to the University through a program of orientation for incoming freshmen and transfer students arranged by the Office of Student Services. Also at this time each student is assigned to a Faculty Adviser whose function it is to meet regularly with the student, explain test results to him, offer appropriate counsel, watch month to month achievement, and in general to offer his services to help the student make the necessary adjustments to college life and assure him of academic success. Full-time clinical psychologists are available in the Office of Psychological Services to provide any help necessary in personal direction, testing, study skills or problems of adjustment.

Guidance procedures include test interpretation interviews, educational guidance, vocational counseling, diagnostic testing, and improved reading and study skills programs. Students are invited to avail themselves of these various services, especially when they have reason to believe that some deficiency exists. Participation is on a purely voluntary basis, and it is up to the student to take advantage of the services offered.

Educational counseling and direction are entrusted to the academic Deans who approve all changes in programs or courses.

PLACEMENT OFFICE

Vocational guidance and orientation are regarded as a preliminary and important step to Placement. This office makes every effort to help the student with his placement problems, whether on a part-time or a full-time basis. Early in the second semester, and at other times by special arrangement, interviews with representatives of leading organizations and industries are arranged for the students who are interested. It is very important therefore, for students to register with this office early in their senior year, and, where necessary, to take advantage of the vocational guidance services in their sophomore and junior years. The Guidance and Placement Offices were created by the University for its students. Students are invited to take advantage of these services. The service of the Placement Office is also available to Alumni. It is here that the vocational library and reading room is located and students are invited to make use of these facilities, particularly when they are faced with the problem of a vocational choice.

GRADUATE SCHOLARSHIP COMMITTEE

Fairfield University, through the Graduate Scholarship Committee, directs capable and willing students to graduate scholarships and fellowships and assists students in the attainment of them.

THE FACULTY

All members of the Faculty share personally and actively in the responsibility of providing educational, vocational and personal guidance. It is one of the objectives of the schools conducted by the Society of Jesus that the teacher take a personal interest in his students, that we know them individually, and understand their strength and weakness. The tradition perdures at Fairfield; the classes are not large, and opportunities are offered for close cooperation between teacher and student. For this purpose, each member of the Faculty maintains published office hours in the private offices distributed throughout the buildings. At uncounted other times they make themselves available for informal discussions, advice and encouragement.

DISCIPLINE

Both intellectual growth and social harmony require discipline as a necessary condition.

Self discipline, whether intellectual or social, is of course the best form for community living, but it is, of itself, inadequate. When free men join together in a common enterprise, whatever its nature, some external authority is needed to direct and sustain that enterprise as common. In the process of accepting that authority and working in a community the individual can discover the fullest meaning of freedom and fulfillment. This does not mean a begrudging or uncritical heeding of regulations, but rather a voluntary and understanding acceptance of decisions for the good of the whole community.

At Fairfield University the Dean of Student Services has general care of student welfare and of student discipline.

The discipline which he exercises is considerate but firm, especially in matters which affect the good of the student body as a whole and which touch upon the reputation of the University. Nevertheless, the attitude of the Dean of Student Services, as of the rest of the Faculty, is such as to make discipline, as far as possible, the outgrowth of high student morale and an element in the maturing of character. However, the administration reserves the right to dismiss a student or to exercise other disciplinary measures for misconduct either on or off the campus since student misconduct not only reflects on the reputation of the University but is an indication of the general character of the student. Besides explicit offenses mentioned in the Student Handbook, behavior that leads to civil action renders a student liable to collegiate disciplinary action including expulsion.

While the University does not look upon its relations with students as primarily legal, it does guarantee to any student involved in disciplinary action due process and a right to be heard in his own defense.

STUDENT HEALTH

The College Infirmary is located in Loyola Hall. A registered nurse is in residence; a doctor visits the Infirmary daily.

Student Accident and Medical Insurance is required of all students.

Special health policies are required for nursing students. Information may be obtained from the School of Nursing.

GENERAL REGULATIONS

THE ACADEMIC YEAR

The Academic Year begins in early September and ends early in June, with recess periods at Christmas and in the Spring. It is divided into two semesters, each extending over a period of about eighteen weeks. The semester hour is the unit of instructional credit.

The class day begins at 8:45 in the morning, and is divided into class periods of fifty minutes and laboratory periods of one hundred minutes.

ADMISSION

The College of Arts and Sciences admits men and women. Beginning students are admitted in September only. The applicant shall have received his high school diploma from a recognized high school or preparatory school, and he shall have acquired no less than fifteen *units* in college-preparatory studies. The *unit* is commonly understood as a measure of credit assigned for the successful completion of a high school course which meets four or five times each week throughout the year; *college-preparatory* units are those which are usually found in that curriculum of the high school which explicitly prepares for college.

No vocational, commercial, or industrial units are considered to be preparatory to the work of the liberal arts college. Candidates for admission may present entrance units chosen from the following, among which must be at least three units in high school mathematics and at least two units in a foreign language, and one of laboratory science. Candidates for the mathematics and the science programs must present in addition a half unit of credit in Trigometry.

English	4	Algebra	2
Latin	4	Plane Geometry	1
Greek	2 or 3	Solid Geometry	½
French	2 or 3	Plane Trigonometry	½
German	2 or 3	General Science	1
Italian	2 or 3	Biology	1
Spanish	2 or 3	Chemistry	1
Physics	1	Economics	1
History	3	Geography	½ or 1
Civics	½ or 1	Law	½ or 1
Problems of Amer. Democracy	1	Astronomy	1
		Physiography	1
Social Studies	1	Mechanical Drawing	1

In addition to the basic requirements, the applicant must present evidence to indicate his interest in and his competence for college studies. To that end he must submit the complete record of his high school studies, together with the recommendation of his Principal or Headmaster, upon forms which will be supplied by the Director of Admissions. The applicant should normally rank in the upper half of his senior class. All applicants are required to take the College Board Aptitude examinations and three College Board Achievement examinations. The three achievement examinations to be taken are English, mathematics, and a modern foreign language. If an applicant is interested in majoring in a particular science, he is required to take the achievement examination in that science in place of the modern language examination. Candidates for the pre-medical and pre-dental programs are required to take the chemistry achievement examination. The same pattern will apply to those submitting scores from the American College Testing program (ACT).

ADVANCED PLACEMENT AND EARLY ADMISSIONS

In 1952, the College Entrance Examination Board instituted the Advanced Placement Program in order to allow the superior student to advance more rapidly and more richly in his chosen field. Fairfield University policy presupposes that the candidate has pursued, during his senior year in high school, a strictly Freshman-college-level course in the subject in which he seeks advanced placement, and has attained, in the Advanced Placement Test of the College Board program, a test-score acceptable both to the Committee on Admissions and the Chairman of the particular department concerned. The score must never be under a "3", and usually not under a "4". Beyond this, there is no general, fixed policy, since each candidate's record is studied individually, and the decision regarding advanced placement is made on the merit of each individual's record of achievement. The University will also welcome for early admission those superior students who have completed the regular, four-year course at an earlier date.

TRANSFER STUDENTS

ADMISSION TO ADVANCED STANDING

Capable students are welcome to transfer to Fairfield University.

Undergraduates of other recognized colleges who apply for admission to Fairfield as transfer students with advanced standing must present a transcript of their college record, and a marked copy of the college's catalogue, to describe courses completed and offered for transfer credit.

Each candidate will be individually reviewed and a program determined according to his needs and accomplishment.

Every effort is made to accept transfer credit as a program rather than totaling single course credits, so that a student may be admitted to a specific year at Fairfield; e.g., accepted as a second semester sophomore or first semester junior. The core courses of Fairfield's program should be met, but appropriate adjustments will be made in the individual case.

Applications should be directed to the Admissions Office.

CLEP EXAMINATION

College Level Examination Program (CLEP) scores in the Subject Examinations above the 50th percentile will be accepted by the University as a satisfactory substitute for college courses. Individual subject examinations will earn advanced placement in that subject.

A superior student who presents the equivalent of five college courses will be granted a semester's advanced standing. The equivalent of ten courses will earn advanced standing of a full year.

Examinations offered for advanced placement or advanced standing should be submitted at the time a student is admitted to the college. These examinations are not accepted as a substitute for courses once a student is matriculated.

ACADEMIC GRADES

A Excellent: indicates not only high achievement but unusual initiative and creative work.

B Good: intelligent grasp and application of subject matter.

C Fair: acceptable level of competence.

D Poor: limited competence, but passing.

E Failure: course must be repeated if student is permitted to remain in attendance.

A "plus" (+) may be added to grades of B, C or D to indicate work performed at the top of that range.

The grade for each semester course is computed from two independent grades: the first is that for class work based on examinations, quizzes, recitations, and out-of-class assignments submitted throughout the semester; and the second is the grade earned in the comprehensive examination at the close of the semester.

ACADEMIC PROMOTION

For academic advancement from year to year in good standing, it is not enough that the student merely pass all his courses; he must in addition maintain a quality standard that is computed from "quality points." In each subject a grade of A earns 4. quality points; B+, 3.5 quality points; B, 3 quality points; C+, 2.5 quality points; C, 2 quality points; D, 1 quality point; and a failure, 0 quality points. To determine a weighted quality point average the number of semester-hour credits is multiplied by the quality points earned and the total divided by the number of credits attempted.

For advancement in good standing from Freshman to Sophomore year a student must have a weighted quality point average of 1.6; to advance to Junior year a Q.P. average of 1.9; to Senior year a Q.P. average of 2.0.

These norms must be satisfied by the average of the given year and cumulative average.

ACADEMIC PROBATION

1. Students who do not maintain the following cumulative Q.P. average are on probation and must remove the probation by work in the summer session to allow advancement to the next year.

Freshman	1.6
Sophomores	1.9
Juniors	2.0

2. A student whose Q.P. average for the semester falls below these levels is on probation.

ACADEMIC FAILURE

Students who incur an academic failure in any of the following classifications will be asked to withdraw from the college:

1. A student who at the end of a semester is deficient in three or more courses.
2. A student who at the end of an academic year is deficient in three or more courses.
3. Students whose cumulative or yearly quality point average falls below the following:

Freshmen	1.4
Sophomores	1.6
Juniors	1.75

4. Students on probation for two consecutive semesters.

Any withdrawal even though approved will be considered a deficiency in determining academic failure.

RECOMMENDATIONS

Recommendations for graduate or professional schools may be sought from individual professors or a department chairman except that a Committee on Pre-Medical and Pre-Dental Recommendations determines whether the student has indicated he will succeed in Medical or Dental School.

DEAN'S LIST

To qualify for the Dean's List, First Honors, a student must have attained a semester's Q.P.A. of 3.50 and no grade less than B. Second Honors are conferred for a semester's Q.P.A. of 3.25 and no grade less than B.

DEGREE REQUIREMENTS

At the time of graduation, a student will normally have attained a minimum of 120 credits; but no simple accumulation of credits is prescribed nor considered to qualify for a degree at Fairfield. Rather the student is expected to have completed with success all of the assigned courses which constitute the curriculum of his choice.

A Q.P. average of 2.0 is required for graduation.

Honors at graduation are awarded for the following weighted Q.P. averages computed for the four years' work:

Summa cum laude	3.85
Magna cum laude	3.70
Cum laude	3.50

ABSENCES

1. Freshman are expected to attend every scheduled class. Any reasonable absence from class must be explained in writing to the Dean of Student Services no later than three class days after the absence.
2. Excessive cuts from class are those that during a semester exceed twice the number of credits given for the course. Credit may not be given to a student who has incurred an excessive number of cuts in the course.
3. Unless there are serious reasons for absence upon the day of an examination a grade of zero will be given for missed examinations. Permission for make-up tests, examinations and academic obligations unfulfilled because of involuntary absence will be granted by the Academic Dean only. Such tests and examinations must be accomplished within 2 weeks after return to classes. The fee for a final (semester) absentee examination is $10.00. No reason for the absence, however valid, excuses payment of the fee.

WITHDRAWAL

Any student who withdraws voluntarily will be granted honorable dismissal only under the following conditions:

1. He must not be already liable to dismissal for deficiencies, excessive absence, or misconduct.
2. He must discuss his intention with the Dean, and if so instructed, must submit the request for withdrawal in writing from his parents or guardian.
3. He must have settled all financial accounts with the University.

A student planning to withdraw should consult one of the Academic Deans who will provide him with a form and directions that will clear his status with all interested offices.

When a student is granted honorable dismissal, he may request refund of tuition (but not of special fees) according to the schedule outlined in the University catalogue.

TRANSCRIPTS

Applications for transcripts should be addressed to the Registrar's office and should state the name and address of the official to whom the transcript is to be mailed. In accordance with the general practice of colleges and universities, complete official transcripts are sent directly by the University, not transmitted by the applicant. Transcripts will not be processed during examination and registration periods.

STUDENT RECORDS

Under the Family Educational Rights and Privacy Act passed by Congress in 1974, legitimate access to student records has been defined. A student at Fairfield University has the right to see any records which directly pertain to the student. Excluded by statute from inspection is the parents' confidential statement given to the Financial Aid Office and medical records supplied by a physician.

A listing of records maintained, their location and the means of reviewing them is available in the Office of Student Services. Information contained in student files is available to others using the guidelines below:

a) Confirmation of directory information available to recognized organizations and agencies. Such information includes: name, date of birth, dates of attendance, address.

b) Summary of behavioral records and copies of transcripts will be provided to anyone upon written request of the student. Cost of providing such information must be assumed by the student.

c) All other information excluding medical records is available to staff members of the university on a need to know basis; i.e. a staff member must prove his need to know information to the office responsible for maintaining the records prior to the release of additional information.

STUDENT EXPENSES

TUITION AND GENERAL FEES

Matriculation	$ 15.00	(This fee is not refundable.)
Tuition	$1450.00	a semester payable on or before August 1 and January 1. An acceptance deposit (non-refundable) of $100.00 is paid on acceptance of the notice of admission: it is credited towards the semester's tuition.
Resident Students:		
Board and Room	$ 850.00	a semester payable on or before August 1 and January 1.
Room Deposit	$ 100.00	non-refundable if reservation is voluntarily cancelled. Refunded when graduating or leaving the school.

General fee	$ 95.00	a year. This fee covers twenty-four hour infirmary service as well as normal health insurance and accident insurance. It covers free admission to all home athletic events, support of the Student Government activities and the student radio station operation.

Special Fees

Late Registration	$ 5.00	Practice Teaching	25.00
Change of Curriculum	10.00	Commencement	25.00
Change of Single Course or Section	5.00	Extra course per semester hour	70.00
Revised Posting of Academic Record	5.00	Laboratory Fee	20.00
Supplementary Academic Transcript	1.00	Fine Arts Materials Fee	20.00

Nursing student costs

Two uniforms	estimated $100
Student malpractice insurance	11.00

Transportation to clinical experience is the responsibility of the student.

The trustees of the College reserve the right to change tuition rates and to make additional charges within the College whenever they believe it to be necessary.

All checks are to be made payable to Fairfield University. A charge of 1% of the unpaid balance will be made monthly on all balances remaining.

Tuition and other academic fees may be paid through the Tuition Plan, Incorporated and through the Education Funds, Inc. Student loans may also be arranged under terms of the National Defense Act and through the Alumni Fund of the Class of 1951. For information write to the Accounting Department, Fairfield University.

REFUND POLICY

If a student withdrawal is authorized for good cause, and if he or she follows normal withdrawal procedure, he or she may request in writing a refund of tuition and room and board according to the following schedule. General and special fees are non-refundable.

REQUEST	REFUND
first week	90% less $100
second week	80% less $100
third week	70% less $100
fourth week	60% less $100
fifth week	50% less $100
sixth week	40% less $100
seventh week	30% less $100
eighth week	20% less $100
ninth week	10% less $100
tenth week	0%

THE CURRICULA

CORE CURRICULUM

In each one of the curricula more than one-half of the semester hours credit are in the field of general or liberal education, as explained under a previous title. Much even of what remains in several of the curricula are similarly courses in true liberal education, while in others they are the beginnings of concentrations in specialized fields or in professional training.

Five areas of competence in general education are a part of all curricula and may be met as follows:

AREA I: Mathematics and the Natural Sciences

(1) 2 semesters of Mathematics. Options: Ma 9-10, 11-12, 13-14. N.B.: One semester of the core mathematics requirement may be satisfied by a course in Logic taken in either the Mathematics or Philosophy Departments.

(2) 2 semesters of a Natural Science. Options: Bi 81-82; Ch 81-82; Ps 81-82, 85-86, 87-88, 93-94.

AREA II: History and Social Science

(1) 2 semesters of History. Options: Hi 15-16

(2) 2 semesters in one or two of the Social Sciences. Options:
(a) Po 10, 11.
(b) Py 13-14 *or* Py 15 and Py 121, 151, or 163.
(c) any combination of the following: Ec 11, 12, 112, 124, 141, 177.
(d) *either* any comb. of Soc 11, 12, 111, 131, 152, 182; *or* So 11 and any upper Division sociology course.

AREA III: Philosophy and Religious Studies.

(1) 3 semesters of Philosophy. Options: Ph 11, 12, 106.

(2) 2 semesters of Religious Studies. Options: Rs 10 and *any* other Rs course.

AREA IV: English and Fine Arts

(1) 3 semesters of English. Options: En 11-12 (required); En 20, 25, 26, 30, 42, 45, 48, 71, 72, 96.

(2) 2 semesters of Fine Arts. Options: *Any* two Fa courses will fulfill the core requirements.
N.B: Fa 161 is a prerequisite for all other music courses except Fa 163-165.
N.B: Science Majors follow program as indicated.

AREA V: Modern Languages and Classics

Required: 2 semesters of intermediate competency, or 4 semesters are necessary if new language is undertaken.

Options: 11-12, 21-22 in Latin, Greek, French, German, Spanish, Italian, Russian, Portuguese.
31-32 in French, German, Spanish, or Russian.

BACHELOR OF ARTS

Bachelor of Arts is a liberal arts degree with emphasis on the humanities. Especially capable students with a high-school preparation of four years of Latin are urged to continue their classical studies through two years of college even though they do not intend a classics major.

Major concentrations in this degree program may be in philosophy, religious studies, English, modern languages, economics, politics, history, sociology, psychology and fine arts.

BACHELOR OF SCIENCE

The *Bachelor of Science* program offers major concentrations in biology, chemistry, physics, psychology, mathematics, and business administration. The concentraion in biology provides well beyond the minimum in technical subjects recommended by the Association of American Medical Colleges for admission to medical school. The program in business administration allows for concentrations in accounting, finance, industrial management and marketing. The accounting program fulfils the educational requirements for Certified Public Accountants in most of the states including New York and Connecticut, and thereby prepares the student for both public and private accounting.

The University is concerned to provide in the program a solid core of liberal studies, intended to develop the man and the citizen, as well as studies directed to scientific comprehension of a high order as a foundation for further graduate and professional training or immediate use in industry.

COOPERATIVE PROGRAM IN ENGINEERING

The University provides a five year engineering program in cooperation with the University of Connecticut that will place emphasis upon both the liberal arts and technical preparation for professional careers. A student in this program interrelates the course sequences with three engineering courses at Fairfield and four liberal arts electives at Connecticut.

SCHOOL OF NURSING

The School of Nursing offers a curriculum leading to the Bachelor of Science degree with a major in nursing. This curriculum is designed to provide the opportunity for qualified individuals to prepare for professional practice in beginning positions, to provide the foundation for continued formal study in nursing, and to enhance growth toward maturity as individuals, citizens, and as professionals. Graduates of this program are eligible for examination for licensure as registered nurses and may advance without further formal education to positions which require beginning administrative skills.

INTERNSHIPS—STUDY ABROAD

An advisor is available to assist students who may wish to spend a semester or year abroad. He can provide information on many programs and develop a sequence of courses that will relate to the student's Fairfield program.

Study abroad is usually done in the junior year. Only for special reasons with the Dean's approval is it arranged in sophomore or senior year.

Several departments have internships for credit at various appropriate agencies, local, national and foreign. Majors in business, economics, politics, and sociology should consult the department chairmen on these opportunities.

THE CHOICE OF A CURRICULUM

The following pages describe the various curricula. It is to be noted that in each curriculum the proper work of the Major, or field of specialization, is concentrated in the Junior and Senior years: where preparatory courses are needed they are taken in the Freshman and/or Sophomore year. For the student who desires a curriculum involving an ordered sequences of courses (Natural Sciences, Accounting, Mathematics) the initial choice of program is advantageous: for the student who is not so determined it should be noted the Freshman and Sophomore courses provide a solid basis and background for his subsequent decision to major in such areas as Economics, English, History and Languages. The major in Education, Government, Sociology, Psychology, Industrial Management and Marketing, should usually elect his curriculum at the beginning of the Sophomore year.

Courses Available at Bridgeport and Sacred Heart Universities

Under a reciprocal agreement full-time students at the University of Bridgeport, Fairfield University and Sacred Heart University may take certain courses at any one of the institutions without payment of any additional fees other than those paid to the matriculating institution, providing:

1. The course is not currently offered by Fairfield University,
2. It is on an approved list indicating its availability to Fairfield University students,
3. The student has prior permission to take the course from his Dean, and
4. Tuition commitments have been met in full at Fairfield University.
5. Students are expected to observe all regulations of the host institution.

BACHELOR OF ARTS

	Semester Hours	
Freshman Year	**Fall**	**Spring**
English (En 11-12)	3	3
History (Hi 15-16)	3	3
Foreign Language	3	3
Philosophy - Religious Studies	3	3
Mathematics	3	3
Sophomore Year		
Philosophy	3	3
English - Religious Studies	3	3
Major	3	3
Fine Arts-Elective	3	3
Electives (or language)	3	3

	Semester Hours	
Junior Year	**Fall**	**Spring**
Science	3	3
Major (four courses)	6	6
Social Studies elective	3	3
Electives	3	3
Senior Year		
Major (four courses)	6	6
Fine Arts-Elective	3	3
Electives (four courses)	6	6

BACHELOR OF ARTS With Classics

Freshman Year	Semester Hours Fall	Spring
Latin	3	3
Greek	3	3
English (En 11-12)	3	3
Philosophy (Ph 11-12)	3	3
Religious Studies (RS10-Option)	3	3
Sophomore Year		
Latin	3	3
Greek	3	3
Philosophy-Elective	3	3
Major	3	3
Electives	3	3

Junior Year	Semester Hours Fall	Spring
Science	3	3
Major (four courses)	6	6
Social Studies Elective	3	3
Electives	3	3
Senior Year		
Major (four courses)	6	6
Electives (six courses)	9	9

Note: four semester courses will be chosen as elective from History, Language or Fine Arts.

BACHELOR OF SCIENCE Major in Psychology

Freshman Year	Semester Hours Fall	Spring
Biology (Bi 11-12)	4	4
Mathematics (Ma 13-14)	3	3
Psychology (Psy 11-12)	3	3
English (En 11-12)	3	3
Foreign Language	3	3
Sophomore Year		
Chemistry (Ch 11-12)	4	4
Philosophy (Ph 11-12)	3	3
English - Religious Studies	3	3
Psychology (Psy 101-102)	3	3
Psychology Elective	3	3

Junior Year	Semester Hours Fall	Spring
Physics (Ps 83-84)	4	4
Philosophy-Religious Studies	3	3
History	3	3
Psychology (four courses)	6	6
Senior Year		
Fine Arts-Elective	3	3
Psychology (four courses)	6	6
Electives (four courses)	6	6

BACHELOR OF ARTS & BACHELOR OF SCIENCE
Major in Engineering

Freshman Year	Semester Hours Fall	Spring
Physics (Ps 15-16)	3	3
Physics laboratory	1	1
Mathematics (Ma 17-18)	4	4
English (En 11-12)	3	3
Philosophy (Ph 11-12)	3	3
Religious Studies (RS 10-Option)	3	3
Sophomore Year		
Engineering	3	3
Mathematics (Ma 23-24)	3	3
Social Studies - Engineering	3	3
English - Philosophy	3	3
Electives	3	3

Junior Year	Semester Hours Fall	Spring
Physics - Elective	4	3
Chemistry (Ch 15-16)	5	5
Mathematics	3	3
History	3	3
Electives	3	3

The student who completes this program in satisfactory standing will then transfer to the School of Engineering of the University of Connecticut at Storrs, Connecticut, where he will enroll as a Junior. He will have the option of entering one of the following branches of Engineering:

Chemical Engineering
Civil Engineering
Electrical Engineering
Mechanical Engineering

Four of the courses at the University of Connecticut will be liberal arts electives.

At the completion of this 5-year program he will receive a Bachelor of Arts degree from Fairfield University and a Bachelor of Science degree in Engineering from the University of Connecticut.

BACHELOR OF SCIENCE Major in Biology

Freshman Year	Semester Hours Fall	Spring
Biology (Bi 11-12)	5	5
Chemistry (Ch 11-12)	4	4
Mathematics (Ma 13-14)	3	3
Philosophy - Religious Studies	3	3
Foreign Language	3	3
Sophomore Year		
Chemistry (Ch 111-112)	5	5
Physics (Ps 83-84)	4	4
Biology (Bi 121-160)	3	3
English (En 11-12)	3	3
Philosophy-Religious Studies	3	3

Junior Year	Semester Hours Fall	Spring
Biology	4	4
English - Philosophy	3	3
Social Studies Electives	3	3
Electives	3	3
Chemistry (Ch 22-24)	4	4
Senior Year		
Biology	3	3
History	3	3
Fine Arts - Elective	3	3
Electives (four courses)	6	6

BACHELOR OF SCIENCE Major in Chemistry

	Semester Hours	
Freshman Year	**Fall**	**Spring**
Chemistry (Ch 15-16)	4	4
Mathematics (Ma 17-18)	4	4
English (En 11-12)	3	3
Philosophy - Religious Studies	3	3
Foreign Language	3	3
Sophomore Year		
Chemistry (Ch 111-112)	5	5
Physics (Ps 15-16)	4	4
Mathematics (Ma 23-24)	3	3
English - Philosophy	3	3
Fine Arts-Elective	3	3

	Semester Hours	
Junior Year	**Fall**	**Spring**
Chemistry (four courses)	8	8
Social Studies Electives	3	3
Philosophy - Religious Studies	3	3
Electives	3	3
Senior Year		
Chemistry (four courses)	8	6
History	3	3
Electives (four courses)	6	6

1) The student intending to enter primary or secondary school teaching should consult with the chairmen of the Chemistry and Education departments for appropriate modifications to this curriculum.

2) The student intending to enter medical or dental studies should consult with the chairmen of the Chemistry and Biology departments for appropriate modifications to this curriculum.

BACHELOR OF SCIENCE Major in Physics

	Semester Hours	
Freshman Year	**Fall**	**Spring**
Physics (Ps 15-16)	3	3
Physics Laboratory	1	1
Mathematics (Ma 17-18)	4	4
English (En 11-12)	3	3
Philosophy - Religious Studies	3	3
Foreign Language	3	3
Sophomore Year		
Physics (four courses)	8	8
Mathematics (Ma 23-24)	3	3
English - Philosophy	3	3
Social Studies Elective	3	3

	Semester Hours	
Junior Year	**Fall**	**Spring**
Physics	5	4
Chemistry	4	4
Mathematics	3	3
Philosophy - Religious Studies	3	3
Elective	3	3
Senior Year		
Physics	8	9
History	3	3
Fine Arts-Elective	3	3
Electives	3	3

BACHELOR OF SCIENCE Major in Mathematics

	Semester Hours	
Freshman Year	**Fall**	**Spring**
Mathematics (Ma 15-16)	4	4
English (En 11-12)	3	3
Foreign Language	3	3
Philosophy-Religious Studies	3	3
History	3	3
Sophomore Year		
Mathematics (four courses)	6	6
Physics (Ps 15-16)	4	4
English-Philosophy	3	3
Fine Arts-Religious Studies	3	3

	Semester Hours	
Junior Year	**Fall**	**Spring**
Mathematics (four courses)	6	6
Social Studies Electives	3	3
Philosophy-Elective	3	3
Electives	3	3
Senior Year		
Mathematics (four courses)	6	6
Fine Arts-Elective	3	3
Electives	6	6

BACHELOR OF SCIENCE Major in Accounting

	Semester Hours	
Freshman Year	**Fall**	**Spring**
Accounting (Ac 11-12)	3	3
English (En 11-12)	3	3
Mathematics (Ma 11-12)	3	3
Philosophy - Religious Studies	3	3
Foreign Language	3	3
Sophomore Year		
Accounting (Ac 21-22)	3	3
History (Hi 15-16)	3	3
English - Philosophy	3	3
Philosophy - Religious Studies	3	3
Electives	3	3

	Semester Hours	
Junior Year	**Fall**	**Spring**
Accounting	3	3
Business (four courses)	6	6
Science	3	3
Social Studies (Ec 11-12)	3	3
Senior Year		
Accounting (four courses)	6	6
Business	3	3
Business-Elective	3	3
Electives	3	3

At least one and preferably two Fine Arts courses should be chosen as electives.

BACHELOR OF SCIENCE Major in Finance

Freshman Year	Semester Hours Fall	Spring
Accounting (Ac 11-12)	3	3
English (En 11-12)	3	3
Mathematics (Ma 11-12)	3	3
Philosophy - Religious Studies	3	3
Foreign Language	3	3
Sophomore Year		
Business—Accounting	3	3
History (Hi 15-16)	3	3
English - Philosophy	3	3
Philosophy - Religious Studies	3	3
Electives	3	3

Junior Year	Semester Hours Fall	Spring
Business (four courses)	6	6
Social Studies (Ec. 11-12)	3	3
Science	3	3
Electives	3	3
Senior Year		
Business (four courses)	6	6
Accounting	3	
Economics-Elective	3	3
Electives	3	6

At least one and preferably two Fine Arts courses should be chosen as electives.

BACHELOR OF SCIENCE Major in Management

Freshman Year	Semester Hours Fall	Spring
Accounting (Ac 11-12)	3	3
English (En 11-12)	3	3
Mathematics (Ma 11-12)	3	3
Philosophy - Religious Studies	3	3
Foreign Language	3	3
Sophomore Year		
Accounting - Elective	3	3
History (Hi 15-16)	3	3
English - Philosophy	3	3
Philosophy - Religious Studies	3	3
Electives	3	3

Junior Year	Semester Hours Fall	Spring
Business (four courses)	6	6
Social Studies (Ec 11-12)	3	3
Science	3	3
Electives	3	3
Senior Year		
Business (four courses)	6	6
Business - Elective	3	3
Electives (four courses)	6	6

At least one and preferably two Fine Arts courses should be chosen as electives.

BACHELOR OF SCIENCE Major in Marketing

Freshman Year	Semester Hours Fall	Spring
Accounting (Ac 11-12)	3	3
English (En 11-12)	3	3
Mathematics (Ma 11-12)	3	3
Philosophy - Religious Studies	3	3
Foreign Language	3	3
Sophomore Year		
Business	3	3
History (Hi 15-16)	3	3
English - Philosophy	3	3
Philosophy - Religious Studies	3	3
Electives	3	3

Junior Year	Semester Hours Fall	Spring
Business	3	3
Business - Elective	3	3
Social Studies (Ec 11-12)	3	3
Science	3	3
Electives	3	3
Senior Year		
Business (four courses)	6	6
Business - Elective	3	3
Electives (four courses)	6	6

At least one and preferably two Fine Arts courses should be chosen as electives.

BACHELOR OF SCIENCE Major in Nursing

Freshman Year	Semester Hours Fall	Spring
Chemistry	4	4
Psychology	3	3
Philosophy— Religious Studies	3	3
Mathematics (Ma 11-12)	3	3
English (En 11-12)	3	3
Nursing 11-12	2	2
Sophomore Year		
Psychology— Microbiology	3	3
Biology	4	4
Philosophy— Religious Studies	3	3
Sociology	3	3
Nursing 21-22	4	4

Junior Year	Semester Hours Fall	Spring
English - Psychology	3	3
History	3	3
Nursing 31-32	5	5
Nursing 33-34	2	2
Fine Arts	3	3
Senior Year		
Nursing	12	9
Philosophy	3	
Electives		6

COURSE DESCRIPTIONS

DEPARTMENT OF BUSINESS ADMINISTRATION

Professor: Griffin (Chairman), Fitzpatrick, T. J.
Associate Professor: O'Brien
Assistant Professors: Allinger, Brown, Cavallo, Fitzpatrick, T. F., Kunsch, Peters, Reilly, Twohig
Lecturers: Delaney, Scopp, Tellis

The Department of Business Administration provides the student with a broad and well balanced education, while preparing him to continue in graduate studies or to effectively pursue a career in business, industry, or government.

A core of nine courses is required of all business majors. It consists of:

Ac	11-12	Principles of Accounting
Ec	11-12	Principles of Economics
Bu	103	Data Processing
Bu	162	Business Statistics
Bu	111-112	Business Law
Bu	183	Business Communications

1. ACCOUNTING

Ac 9-10 General Accounting

A course for non-business majors emphasizes the basic accounting principles, construction and analysis of financial statements, formation, operation, dissolution and liquidation of partnerships and corporations, fire loss, receivership, liquidation reports, and accounting for estates and trusts, aids to management and income tax considerations.

6 semester hours

Ac 11 Principles of Accounting

An introductory course to acquaint the student with the functions of bookkeeping and accounting and with their importance in modern industry. The subject matter includes: theory of debit and credit, classification of accounts, the bookkeeping and accounting cycle from the special books of original entry through the preparation of financial statements for the single proprietorship form of business organization.

3 semester hours

Ac 12 Principles of Accounting

A continuation of Accounting 11, placing emphasis on accounting for partnerships, corporations and manufacturers. The subject matter includes: the voucher register, tax accounting, partnership and corporation formation, operation, sale, dissolution and liquidation, the elements of manufacturing cost, trading and manufacturing operations, sales and consignments and interpretation of financial and operating statements.

3 semester hours

Ac 21 Intermediate Accounting

Studies the measuring and reporting of accounting income, significance of the balance sheet, planning and control of cash, receivables, inventories, property, plant and equipment, analysis of fund flows and the measuring of performance.
Prerequisite: C+ grade in Ac 11-12 and Q. P. A. of 2.5 *3 semester hours*

Ac 22 Intermediate Accounting

This course emphasizes accounting techniques and periodic procedure involved with working papers, locating and correcting errors, preparation of statements from incomplete data, valuation of receivables, inventories, property, plant and equipment, and intangible assets. *3 semester hours*

Ac 23 Intermediate Accounting

An intensive course for Finance majors designed to cover principles of accounting applicable to the preparation of financial statements. Important accounting areas are intensively studied which include valuation of assets: presentation of long term debt: corporate capital: financial statement analysis and statement of application of funds. Reference is made to official pronouncements of the Accounting Associations.
3 semester hours

Ac 101 Advanced Accounting

This course broadens and intensifies the student's knowledge of accounting by exposing him to many different situations, and demonstrating to him the ways in which accounting concepts are operative in a variety of applications. Topics include business combinations, consolidated statements, fund accounting, government accounting, liquidations, and installment sales with emphasis on the conglomerate. *3 semester hours*

Ac 111 Cost Accounting

A study of costs for managerial planning and control as well as for financial statement purposes. The course is designed to develop the student's ability to analyze, to identify relevant factors, and to deal with accounting information for decision-making purposes. Topics include cost behavior, volume/profit relationships and various costs systems. *3 semester hours*

Ac 113 Managerial Accounting

Managerial Accounting is devoted to the use of accounting statements and records rather than their composition. Topics covered are: Accountants' interpretation of financial data, price level changes, flow of funds, industrial accounting, cumulative cost concepts and application, budgets, and decision making theory. *3 semester hours*

Ac 131 Auditing

The objects of this course are the theory and practice of interpretation and verification of books of account in determination of financial condition and operating results. The student is required to complete an auditing Practice Case.
3 semester hours

Ac 134 Management Information Systems

A course designed to study management planning and control by means of information systems. Topics covered are an introduction to the theory of information systems, the information needs of various departmental managers, the accounting techniques used and the behavioral impact of information systems. *3 semester hours*

Ac 135 Contemporary Issues and Problems in Accounting

A seminar in accounting issues of the day. The topics covered include the latest AICPA Accounting Principles Board Opinions, as well as important topics of research. *3 semester hours*

Ac 161 Taxation

This course covers accounting problems encountered in and the laws applicable to Federal tax returns. Topics include: nature of taxable and nontaxable income, allowable and non-allowable business and personal deductions, capital gains and losses, estate and gift taxes. The emphasis is on basic problems, timing transactions and different taxable entities and tax effects of business decisions. *3 semester hours*

Ac 197-198 Seminar in Accounting and Business

A special program involving independent study and research offered only to qualified and recommended seniors. *6 semester hours*

II. BUSINESS

Bu 103 Introduction to Data Processing

A general orientation to the stored program computer and the impact which computers have had, are having and may be expected to have on managers and on the environment in which managers work. The student takes a course in the fundamentals on the computer, learns the APL programming language on the computer and programs a problem in APL. *3 semester hours*

Bu 104 Labor Economics

See Economics 124. *3 semester hours*

Bu 111 Business Law I

A study of legal principles particularly applicable to business, including a brief survey of legal history, court systems and procedures, distinctions between contracts, torts and crimes, and a detailed analysis of the law of contracts. The text method is supplemented by references to particular cases and to applicable statutes including the Uniform Commercial Code. *3 semester hours*

Bu 112 Business Law II

A continuation of Business Law I with a detailed study of the law of assignment, agency and negotiable instruments. The method of study is the same as that followed in Business Law I.

Prerequisite: Business Law I *3 semester hours*

Bu 121 Business Organization and Management

An introductory course involving the principles, functions, practices and problems confronting management in the organizational environment. Topics include free enterprise, government regulation, operations and administration of firm resources, forecasting, management sciences, leadership, behavioral sciences, and administrative tools that assist problem solving and decision making. Applications to current cases will constitute a major portion of the course. *3 semester hours*

Bu 122 Production Management

An analysis of the organization, administration and control of production functions in an industrial setting. Included are forecasting, inventory control, network analysis, automation, systems management, management sciences, research and development, time and motion study, product design and process design as they affect production. Cases of actual problems are treated. *3 semester hours*

Bu 125 Personnel Management

Emphasizes the administration of the work force as part of the total management system. Topics discussed are theories, policies and practices in manpower management for recruitment, selection, training, promotion, discharge, appraisal of employee performance, incentives, wage and salary administration, job evaluation and work attitudes. Public policy on labor legislation, strikes, collective bargaining, mediation, arbitration, negotiation and contract administration are treated with emphasis on the case method of research. *3 semester hours*

Bu 126 Management of Human Resources

The social sciences are integrated with management theory in a behavioral and interdisciplinary approach to understand human behavior in an organization. Problems and conflicts are treated in leadership, formal and informal organizations, group interactions, unions and bargaining, grievance systems, communications, morale, motivation, status, discipline and discrimination as they impose on employment situations. Extensive discussions of actual cases are used. *3 semester hours*

Bu 141 Marketing

With the consumer as the focal point, this course studies the fundamental functions of marketing involving the activities that affect the flow of goods and services from producer to consumer. Methods, policies and problems of the Marketing Manager are reviewed through analysis of channels of distribution, price policies, competitive strategies and market information. Attention is given to the role of marketing in the economy and its place in the firm. *3 semester hours*

Bu 142 Consumer Behavior

This course is designed to provide the student with a basic understanding of the behavior of consumers in the marketplace. An interdisciplinary approach is used employing concepts from such fields as economics, psychology, social psychology, sociology, and psychoanalysis. Among the many topics covered are motivation, cognition learning, habit formation and post-transactional behavior. *3 semester hours*

Bu 153 Marketing Research

The methods of research and analysis in the solution of marketing problems: defining the problem, sources of information, methods of carrying on research, analysis of data, proper presentation of results. *3 semester hours*

Bu 154 Marketing Seminar

A seminar course which seeks to integrate all of the student's prior marketing education. Discussion of current marketing literature, term assignments, case studies. Computer simulation games. *3 semester hours*

Bu 151 Promotion I

The development of a broad view of the important phases of direct promotion techniques. Specific attention is given to the functions and structures of the sales organization and the proper correlation of these with other areas of the firm. A study of the planning of selling programs and selling campaigns as well as sales territories, sales quotas and the control of sales operations. *3 semester hours*

Bu 152 Promotion II

A comprehensive course concerned with the design, management, and evaluation of communications programs in Marketing; studied from the point of view of the Promotion Manager. Topics covered include: advertising, sales promotion and public relations. *3 semester hours*

Bu 162 Business Statistics

Nature and importance of statistics; methods of collection, presentation, analysis and interpretation of data; tabular and graphic presentation of data; introduction to index numbers; measures of central tendency; measures of dispersion; the normal curve and an introduction to probability; simple linear correlation; use of the calculator in statistics. *3 semester hours*

Bu 163 Quantitative Analysis

An analysis of mathematical and statistical techniques in business decision making; probability concepts, conditional and expected value, exponential smoothing for inventories, process limits in Quality Control, waiting lines and simulation.

3 semester hours

Bu 171 Corporation Finance

A study of the acquisition and administration of the funds of a modern business enterprise. An analysis of the problems involved in procuring permanent capital, choosing a capital structure, administering working capital, as well as such special problems as evaluation, consolidation, or recapitalization and reorganization.

3 semester hours

Bu 172 Principles of Investment

The purpose of the course is to explain the various types of securities; to discuss the recognized tests of safety, yield and marketability; to show the necessity for caution with regard to diversification and management of a fund. Attention is given to analysis and interpretation of financial statements. Practical problems illustrate the principles developed. *3 semester hours*

Bu 173 Financial Management

Business 173 studies the sources of and management of the funds required in the operation of a business. Some of the subjects studied are: methods of budgeting funds; controlling investment in assets; cost-volume-profit analysis; control of working capital; cost of capital. The purpose of this course is to enable the student to understand how to analyze and use financial data. *3 semester hours*

Bu 174 Cases in Finance

Employing the case method of instruction, this course is concerned with the "Why" rather than the "What can be done" in meeting the financial problem of a business enterprise from the promotional stage through to re-organization or liquidation.

3 semester hours

Bu 183 Business Communication

Designed to improve effective communication and to develop skill in business writing in fields of sales, employment, public relations, credit-collection; and culminating in detailed preparation of a business report and business speeches. Problems of dictation, job advancement and supervision, reading improvement, speaking and listening are also treated. *3 semester hours*

Bu 187 Fortran IV Programming for Business

This course gives an introduction to computer programming for students with no previous knowledge of programming. A brief exposure is given to computational procedures, to the use of flow charting and to the operation of digital computers. The main portion of the course is devoted to the use of Fortran IV, a widely used programming language. Emphasis will be place on the writing and execution of programs. The orientation of programs is to business type applications.

3 semester hours

Bu 188 Advanced Programming and System Design

Concepts of business system design and procedure are covered along with disk programming and file layout for the purposes of system design. Accounts Receivable, Payroll and Budget Reporting Systems will be discussed in depth. Students will design and program a receivable system.

Prerequisite: BU 187 *3 semester hours*

Bu 189 Cobol

Students will learn to program in COBOL, the most widely used business programming language. The application of computers to business problems will be studied. File handling and array manipulation will be emphasized.

Prerequisite: BU 187 *3 semester hours*

Bu 197-198 Seminar in Accounting and Business

A special program involving independent study and research offered only to qualified and recommended seniors. *6 semester hours*

DEPARTMENT OF BIOLOGY

Professor: Ross (Chairman)
Associate Professors: Combs, Rice
Assistant Professors: Barone, M., Bongiorno, Brousseau, Poincelot
Lecturers: Blogoslawski, Holland

The objective of the biology curriculum is the training of students for future professional work in biology, medicine and dentistry. The department requires the following courses be taken to qualify for a B.S. degree: botany, zoology, genetics, ecology and four electives within the department. In addition, two semesters each of inorganic chemistry, organic chemistry, general physics and calculus are required. Within the department there are six areas of concentration offered: (1) pre-medical, pre-dental; (2) graduate biology; (3) naturalist; (4) environmental health and safety: (5) health administration; (6) biology education.

The biology major provides more than the minimum in technical subjects recommended by the Association of American Medical Colleges for admission to medical school.

Bi 11 General Botany

An introduction to the field of Biology including a study of the scientific method, the chemical and physical nature of protoplasm, osmosis, the cell, mitosis and meiosis. A phylogenetic survey of the plant kingdom includes a comprehensive consideration of the anatomy and physiology of representative plant types.

3 lectures, 2 laboratory periods *5 semester hours*

Bi 12 General Zoology

A classification and phylogenetic survey of the animal kingdom which includes both protozoan and metazoan invertebrates and vertebrates. A systematic study of the anatomy and physiology of representative animal types is considered.

3 lectures, 2 laboratory periods *5 semester hours*

Bi 81 General Biology I

An introduction to the study of biology for the non-science major.

The purpose of the course is to familiarize the student with the general biological principles that govern the activities of all living systems. Concepts such as the biochemical origin of life, the scientific method, cellular morphology and physiology, plant and animal adaptations to the environment are presented.

3 lecture-demonstration periods *3 semester hours*

Bi 82 General Biology II

A continuation of Bi 81. Man's place in the biosphere forms the central theme of the course. Emphasis is placed on the evolutionary aspects of human biology by a comparison with appropriate forms of plant and animal life.

3 lecture-demonstration periods *3 semester hours*

Bi 83 Fundamental Concepts in Biology

A course for psychology majors. A study of the cell, its growth, activities and development; the morphology and physiology of plants and lower animals; heredity, ecology, and evolution.

2 lectures, 1 laboratory period *3 semester hours*

Bi 84 Biology of Behavior

A continuation of Biology 83, including a survery of human anatomy and physiology and emphasizing the physico-chemical basis of animal behavior; comparative neuroanatomy and a consideration of the neural and extraneural aspects of the internal environment in the regulation of behavior.

2 lectures, 1 laboratory period *3 semester hours*

Bi 102 Comparative Anatomy of Chordates

A detailed and systematic study of the skeletal, integumentary, muscular, respiratory, urogenital, nervous and endocrine systems with special emphasis on the anatomy of a mammal as compared to the anatomy of the other classes of chordates.

2 lectures, 2 laboratory periods *4 semester hours*

Bi 107-108 Human Anatomy and Physiology

This course is recommended for students of nursing, education and liberal arts. The course is designed to give familiarity with the anatomy and physiology of body processes with special emphasis on the practical aspects of circulation, respiration, digestion, reproduction, the glands of internal secretion, and including techniques for measuring blood pressure, blood typing and others.

3 lectures, 1 laboratory period a semester *8 semester hours*

Bi 111 Cell Physiology

It involves a consideration of the physico-chemical background of vital processes common to all living organisms. Lectures include the application of gas laws, theory of solutions, temperature, pressure, etc. to permeability, energy transformations, bioelectric phenomena, bioluminescence, inhibitor action, cellular ultrastructure, growth

and development. The laboratory emphasis is on techniques in cell physiology and biochemistry.

3 lectures, 1 laboratory period *4 semester hours*

Bi 112 Vertebrate Physiology

A consideration of homeokinesis in the mammalian organism studied by means of a comprehensive survey of the morphology and physiology of the organ systems of the human body.

3 lectures, 1 laboratory period *4 semester hours*

Bi 115 Plant Physiology

A study of plant growth functions with emphasis on metabolism, photosynthesis, nutrition, water relations, plant hormones, and relationship of plants to the environment.

3 lectures, 1 laboratory period *4 semester hours*

Offered alternate years.

Bi 121 Genetics

A study of the principles of Mendelian inheritance and modern theories of heredity; and an introduction to experimental, biometrical, and cytological methods. Whenever possible, examples illustrate the practical applications of the fundamental laws of inheritance in the breeding of plants and animals and in human heredity.

3 semester hours

Bi 123 Genetics Laboratory

The laboratory work is designed to illustrate fundamental principles; Drosophila breeding and phases of cytology most directly concerned with genetics will be employed.

2 laboratory periods *2 semester hours*

Bi 131 Histology

A study of the microscopic anatomy of vertebrate animals; the morphology of cells and their combinations in the various tissues and organs of the body. The structure of cells, tissues and organs is constantly related to their functions in the different vital processes, and to the participation of the fundamental tissues in the formation of organs and systems of organs.

2 lectures, 2 laboratory periods *4 semester hours*

Bi 142 Vertebrate Embryology

A course in vertebrate developmental anatomy; the morphology and physiology of the reproductive organs, gametogenesis, segmentation, gastrulation, and the formation of the primary germ layers; a detailed study of the chick embryo from the primitive streak to the establishment of the organs and systems and a consideration of the 10 mm. pig embryo.

2 lectures, 2 laboratory periods *4 semester hours*

Bi 151 Elements of Microbiology

An elementary course in microbiology which aims to show the importance of microorganisms to everyday life. General considerations and applications of this science are discussed with little emphasis on technical and theoretical details. Relationships of microorganisms to foods, sanitation and disease are shown. The laboratory work deals with simple techniques employed in the study of microorganisms.

2 lectures, 1 laboratory period *3 semester hours*

Bi 152 Microbiology

A study of the morphology and physiology of microorganisms involving culture and staining methods, biochemical activities and pathogenecity.

3 lectures, 1 laboratory period *4 semester hours*

Bi 153 Microbial Physiology

A survey of the physiology of microorganisms with emphasis on the ecological implications of their biochemical activities. Accordingly, special attention will be paid to the microbe in its role as a modifier of the environment. Examples of microbial interaction with both animate and inanimate environments will be studied, e.g., biochemistry of the host-parasite relationship, degradation of hydrocarbons, principles and processes of industrial fermentation, etc.

Prerequisites: Bi 111 and Bi 151 or 152 *3 semester hours*

Bi 154 Pathogenic Microbiology

A course designed for the student who intends to pursue a career in the medical and allied health professions.

Topics include the microbial production of disease, body defenses, immunological response to infection, laboratory methods of identification of pathogens and antibiotics in current use.

In addition, the microbiology of water, milk and food will be discussed to complete the student's understanding of man's relationship to the microbial world.

Prerequisites: Bi 151 or 152 *3 semester hours*

Bi 160 Ecology

The relationships of plants and animals to each other and their environment as studied through the growth of populations, succession, parasitism and predation, life zones and biomes. Native flora and fauna studied both in the laboratory and on field trips.

2 lectures, 1 laboratory period *3 semester hours*

Bi 161 Marine Ecology

A study of marine communities and their environment, with special consideration of ecosystems in the sea. The laboratories will be held on the waters of Long Island Sound.

2 lectures, 1 laboratory *3 semester hours*

Bi 162 Marine Invertebrate Zoology

A survey of the invertebrate phyla of Long Island Sound, with a study of their classification, biology and ecology. The laboratories will consist of field trips along the shoreline and on the water to collect specimens for identification and study.

2 lectures, 1 laboratory *3 semester hours*

Bi 163 Biology of a Coral Reef

A study of a coral reef and its relation to the geological, chemical and physical factors of the ocean. Consideration will also be given to the other type of marine life associated with these reefs. The laboratory portion of the course will be conducted in tropical or sub-tropical waters with the student being responsible for his transportation cost.

2 lectures, 10 day field trip *3 semester hours*

Bi 164 Ornithology

Lecture study of the evolution, anatomy, taxonomy, ecology and ethology of birds. Laboratory and field work will focus on the orders of the birds of the world and identification of all local species.

Prerequisite: Biology 11, 12

2 lectures, 1 laboratory period *3 semester hours*

Bi 165 Entomology

An introduction of the study of insects. The course will stress principles of insect morphology, physiology and taxonomy. Laboratories will be devoted to examination of representatives of the more familiar insect orders.

2 lectures, 1 laboratory period *3 semester hours*

Bi 171 Biometrics

A lecture course involving the application of mathematics and statistics to the solution of biological problems and the quantitative treatment of biological data. The principles of computer programming and utilization are stressed. *3 semester hours*

Bi 172 Environmental Safety and Health I

An introduction to those basic elements of the federal Occupational Safety and Health Act of 1970 (OSHA) and the applicable standards established thereunder. Consideration is given to such topics as training of employees on all levels, motivation to work safely, hazard identifications and control, anatomy of an accidental injury, laboratory and special pilot plant safety, electrical hazards.

2 semester hours

Bi 173 Environmental Safety and Health II

This course will explore in-depth ways and means of providing safe work places and safety conscious employees. Emphasis will be placed on the many disciplines of safety engineering and hygiene measures such as hazard degrees, methods of solving problems, procedures for auditing programs, testing procedures and identifying results.

2 semester hours

Bi 181 Biology of Nonvascular Plants

A study of morphology, ecology, systematics and value to man of the nonvascular plants including, identification and classification of the more common and important forms.

3 lectures, 1 laboratory period *Offered alternate years.* *4 semester hours*

Bi 183 Economic Botany

A consideration of the role of plants in the human environment and in the evolution of civilizations. Emphasis is on the origin of cultivated plants, their utilization in nutrition, housing, clothing, medicine, religion, and the arts.

3 lecture periods *Offered alternate years.* *3 semester hours*

Bi 196 Special Topics in Biology

The writing of a scholarly paper based upon independent study of a selected topic is required. The research is library rather than laboratory. *2 semester hours*

Bi 198 Research

A research thesis, involving laboratory investigation, is required. Students wishing to register for this program must first obtain the consent of the professor supervising research in the area of their interest. *Credit by arrangement*

Bi 199 Seminar

Study and discussion of biological research, book reviews, and current periodicals.

2 semester hours

Bi 222 Population Genetics

This course is designed to provide a theoretical background for studies in evolution, plant and animal improvement. A consideration of the roles of mutation, selection, migration, and population size as factors influencing the genetic constitutions of populations.

3 lecture periods *3 semester hours*

DEPARTMENT OF CHEMISTRY

Professors: Boggio, Carrano, MacDonald, O'Connell
Associate Professors: Elder, Lisman (Chairman)
Assistant Professors: Pulito, Sarneski, Skutnik

The department provides a curriculum which insures a comprehensive yet balanced exposure to the science of chemistry. Courses are provided for chemistry majors, for other physical science majors, for non-science majors, and for students planning study beyond the Associate degree.

By appropriate selection of courses, the chemistry major may develop the necessary background for entrance into a variety of endeavors such as high school teaching, studies in medicine or dentistry, studies in allied sciences such as oceanography and geochemistry, graduate work in chemistry, employment in the chemical industry, patent law, or in government.

The curriculum, staff, and facilities of the department are approved by the American Chemical Society as meeting its standards for professional training in chemistry.

Ch 11 General Inorganic Chemistry I

The Macroscopic Laws of Chemistry; Atomic & Molecular Weights, The Mole Concept, Avogadros Number, Stoichiometry. The States of Matter; Gaseous, Liquid, and Solid. Solutions; Methods of Expressing Concentrations, Colligative Properties, Equivalent Weights, Oxidation-Reduction. Chemical Equilibrium and Chemical Kinetics; Homogeneous and Heterogeneous Systems, Le Chatelelier's Principle, Mass Action, Equilibrium Calculations, Speed of Reaction and Energy of Activation, Rate Laws. Calculations and laboratory experiments illustrating these principles.

3 lectures, 1 laboratory period *4 semester hours*

Ch 12 General Inorganic Chemistry II

A continuation of Chemistry II. Ionic Equilibrium; Weak Acids & Bases, Hydrolysis, Buffers, Solubility Product Constants. Atomic Structure; The Hydrogen Atom, The Quantum Numbers-n, 1 m, s, The Aufbau Principle, The Pauli Exclusion Principle, Paramagnetism, Chemical Bonding Ionic Bond, Covalent Bonds, Coordinate Bonds, Resonance Coordination Complexes, Molecular Geometry, Hybridization, Electron Pair Repulsion, Hydrogen Bonding. Electro-chemical Phenomena; Electrolysis, Galvinic Cells, EMF, Elementary Thermodynamic Concepts, Spontaneity in Chemical Reactions. Nuclear Chemistry; The Belt of Stability, Binding Energy, Radioactive Dating. Calculations and laboratory experiments illustrating these principles.

3 lectures, 1 laboratory period *4 semester hours*

Ch 15 Fundamental Inorganic Chemistry I

This course, intended for chemistry, physics and engineering majors with a high school background in chemistry, is an introduction to theoretical chemistry. Particular stress is given to the fundamental relations existing between the properties of matter and electronic structure. Some of the topics treated are stoichiometry, matter and energy, the law of mass action, wave-particle duality, chemical bonding and geometry, periodicity and kinetic theory. The laboratory work emphasizes the applications of chemical equilibrium theory to systematic qualitative analysis.

3 lectures, 1 laboratory period *4 semester hours*

Ch 16 Fundamental Inorganic Chemistry II

This course, a continuation of Chemistry 15, is one in which a more advanced approach is maintained and a carefully graduated use of calculus is made. Some of the topics treated are the states of matter, theory of solutions, electrochemistry, the

thermodynamic functions, electrochemical processes and calculations, ionic equilibrium, and chemical kinetics. The laboratory work concerns itself principally with volumetric and gravimetric methods of analysis; the student is encouraged to substitute an individual project for part of the formally assigned laboratory work.

3 lectures, 1 laboratory period — *4 semester hours*

Ch 22 Elements of Physical Chemistry

This course is intended for Biology Majors and for students preparing for secondary school science teaching. Emphasis is placed on the laws of thermodynamics, chemical equilibrium, solutions of electrolytyes, electrochemical cells and chemical kinetics. Throughout the course special emphasis is given to the physico-chemical properties of living systems. Laboratory experiments illustrate the principles discussed in class.

3 lectures, 1 laboratory period
Prerequisites: Ch. 11-12, Ps. 83-84, Ma. 13-14 or equivalent.

4 semester hours

Ch 24 Quantitative Inorganic Analysis

The theory and technique of quantitative analysis including neutralization, oxidation and reduction, volumetric precipitation and introduction to gravimetric methods; illustrated by problem work and by laboratory analysis of representative samples.

3 lectures, 1 laboratory period
Prerequisite: Ch. 22 — *4 semester hours*

Ch 81 General Chemistry I

An introduction to the study of chemistry for non-science majors. Fundamental principles of inorganic and organic chemistry are discussed and applied to chemical reactions and phenomena. *4 semester hours*

3 lectures, 1 laboratory period

Ch 82 General Chemistry II

A continuation of Ch 81, emphasizing the chemistry that is typical of living systems.

3 lectures, 1 laboratory period — *4 semester hours*

Ch 111 Organic Chemistry I

This course, intended for chemistry and biology majors, is an introduction to organic chemistry with emphasis on structure isomerism, nomenclature, functional groups, synthesis of compounds, and reaction mechanisms. The laboratory work emphasizes organic techniques, determination of physical constants, and typical syntheses.

3 lectures, 1 laboratory period
Prerequisites: Ch. 11-12 — *5 semester hours*

Ch 112 Organic Chemistry II

The synthesis and reactions of the more common classes of organic compounds. Carbohydrates, aminoacids, protein and other natural products are discussed.

3 lectures, 1 laboratory period — *5 semester hours*

Ch 121 Advanced Organic Chemistry

This course, intended for chemistry majors only, attempts to bring the student closer to the research areas of organic chemistry. Recent developments, syntheses and reaction mechanisms as well as an introduction to spectral identification of organic compounds are discussed. The laboratory consists of the systematic classification, separation and identification of of organic compounds.

3 lectures, 2 laboratory periods
Prerequisites: Ch. 111-112 — *5 semester hours*

Ch 122 Chemical Analysis

The nature and practice of chemical analysis are considered. The first half of the course includes data analysis, chemical equilibria, and classical wet methods of gravimetry, acidimetry, redoximetry, and complexiметry. The second half considers electrometric methods, electronic spectroscopy, computer programming and chemical separations.

The laboratory experiments equally emphasize classical and instrumental techniques applied to both organic and inorganic chemical systems.

3 lectures, 2 laboratory periods

Prerequisites: Ch. 111-112, Ch. 161 *5 semester hours*

Ch 124 Introduction to Biochemistry

Topics dealing with the fundamental concepts of biochemistry, including the study of carbohydrates, lipids, proteins, terpenoids, alkaloids, and nucleic acids.

Prerequisites: Ch. 111-112, Ch. 22, Ch. 24 *3 semester hours*

Ch 126 Chemical Instrumentation

This course surveys the instrumentation available to the modern chemist. Topics covered are categorized as electronics, optical methods, electrometic methods, radiochemical methods or separation techniques. Problem solving and applications from the recent literature are emphasized in class. Ten modern instruments are utilized in different laboratory experiments.

3 lectures, 1 laboratory period

Prerequisites: Ch. 111-112, Ch. 22, Ch. 24 *4 semester hours*

Ch 141 Advanced Inorganic Chemistry

This course considers in detail the modern trends in theoretical inorganic chemistry with a discussion of the descriptive chemistry of the elements from the standpoint of atomic and molecular structure. Selected inorganic compounds are synthesized in the laboratory employing a variety of advanced techniques such as high temperature, electrolysis, the autoclave, the vacuum line, and non-aqueous solvents. The student is allowed considerable individual choice in the selection of the compounds to be synthesized.

3 lectures, 2 laboratory periods

Prerequisites: Ch. 161-162, Ch. 111-112 *5 semester hours*

Ch 161 Physical Chemistry I

A study of Physical Chemistry for chemistry and physics majors. The course includes the study of the physicochemical properties of ideal and real gases, the solid state, atomic structure, introduction to quantum mechanics, models of molecular bonding, molecular structure, nuclear chemistry, the three laws of thermodynamics, and free energy and equilibrium.

Laboratory experiments are conducted to illustrate the principles discussed in lecture.

3 lectures, 1 laboratory period

Prerequisites: Ch. 111-112, Ps. 15-16, Ma. 17-18 or equivalent

4 semester hours

Ch 162 Physical Chemistry II

A continuation of Physical Chemistry 161. Some of the topics discussed are: chemical equilibrium, statistical mechanics, properties of electrolytic and nonelectrolytic solutions; thermodynamics and EMF, phase changes, and chemical kinetics.

Laboratory experiments are conducted which illustrate the principles discussed in lecture.

3 lectures, 1 laboratory period *4 semester hours*

Ch 163 Physical Chemistry III

A continuation of Physical Chemistry 162. Quantum Chemistry; The Hydrogen Atom, De Broglie Waves, Particle in a Box, The Bohr Correspondence Principle, The One-Dimensional Schrodinger Equation, The Quantum Mechanical Tunnel Effect, The Hydrogen Molecule and the Hydrogen Molecule Ion. Molecular Structure; The Harmonic Oscillator, The Rigid Rotator, Election Diffraction, Spectra. Introduction to Statistical Mechanics.

Prerequisites: Ch. 161-162, Ma. 23-24 *3 semester hours*

Ch 198 Research & Seminar

A research project, normally involving laboratory investigation, is chosen by each senior electing this course. Seminars are held weekly, alternating student reports on research progress and library studies of selected topics. *3 semester hours*

DEPARTMENT OF CLASSICS

Professor: Rosivach

The basic courses provided by the Classics Department aim at securing the proficiency in the Latin and Greek languages indispensable for a first-hand scholarly examination of classical antiquity. The "A.B. with Classics" program comprising two years of Latin and Greek seeks to give students who will major in a field other than Classics as wide a background in classical antiquity as time will permit both as an aid to their general cultural education and to assist them in their own major fields. The Classics Department also makes available as a general service to the University courses both in English and the original languages for those interested in various specific aspects of classical antiquity.

LATIN

La 21-22 Readings in Latin Prose & Poetry

For students with a background of three or more years of high school Latin or its equivalent, this course attempts to fill out that background by extensive readings in the principal authors and genres not read in high school. *6 semester hours*

La 139 Augustine

Readings from the works of Augustine. Attention will be paid both to his Latin style and to his philosophy of history and society. Stress will be paid upon the "Sermons" and the "City of God."

Prerequisite: La 21 - 22 *3 semester hours*

La 142 The Philosophy of Seneca

A study of Roman Stoicism through the works of Seneca, especially the *Epistulae Morales.* *3 semester hours*

La 144 Roman Comedy

Study of the plays of Plautus and Terence, in the original and in translation, with emphasis on the dramatic and theatrical aspects of the plays. *3 semester hours*

La 146 Vergil

Study of "Aeneid 7-12", "Eclogues" and "Georgics". *3 semester hours*

La 151-152 Roman Historiography I-II
In the Fall, an examination of Sallust and Livy as historians; the "Jugurtha" of Sallust and excerts from the first five books of Livy will be read. In the Spring, Tacitus "Historiae" and Suetonius will be studied. *6 semester hours*

GREEK

Gr 11-12 Elementary Attic Greek
Grammar of Attic Greek; readings in easier authors to develop a practical reading knowledge of ancient Greek. *6 semester hours*

Gr 21-22 Intermediate Greek Readings
Intensive reading of selected authors of moderate difficulty in various genres, with extensive readings in translation, to give a survey of classical Greek literature.
6 semester hours

Gr 121-122 Greek Epic, Lyric and Drama
Extensive readings from the principal authors of epic, lyric and drama; lectures on the literary development of these genres. *6 semester hours*

Gr 123-124 Greek Historiography, Oratory and Philosophical Writings
Extensive readings from the principal historians, orators and philosophers; lectures on the literary development of these genres. *6 semester hours*

Gr 125-126 Advanced Greek Readings
Extensive readings of selected works of ancient Greek literature.
Prerequisite: Gr 21-22 *6 semester hours*

CLASSICAL CIVILIZATION

Cl 101 Greek Tragedy in Translation
An intensive study in translation of the surviving works of Aeschylus, Sophocles and Euripides. (A knowledge of Greek is not required.) *3 semester hours*

Cl 103-104 Classical Literature in Translation I-II
A survey of the principal works of ancient Greek and Latin literature. Emphasis will be on the content of this literature as a key to understanding the ancient civilizations, and as meaningful in a contemporary context. *6 semester hours*

Cl 105 Greek History
An intensive and comprehensive survey of the Greek world from the origins of a distinctive Hellenic civilization to the Roman conquest. Stress will be laid on acquiring knowledge of specific topics and primary evidence as well as on a narrative history. (A knowledge of Greek is not required.) *3 semester hours*

Cl 106 Roman History
A history of Rome from its origins to the death of Constantine. Emphasis will be on the organization of the Roman state and on the key movements which modified and redirected the evolution and decline of Rome. (A knowledge of Latin is not required.)
3 semester hours

Cl 107 Roman Law
Study of the sources, content and principles of Roman law. (A knowledge of Latin is not required.) *3 semester hours*

Cl 108 Roman Religion

Study of the religious beliefs and practices of the Romans during the Republic and early Empire. (A knowledge of Latin is not required). *3 semester hours*

Cl 109 Epics of Greece and Rome

A survey of the epic tradition in Greek and Latin poetry. Readings will include English translations of Homer's "Iliad" and "Odyssey", Apollonius' "Argonautica", Vergil's "Aeneid", Ovid's "Metamorphoses" and Lucan's "Pharsalia".

No knowledge of Greek or Latin required *3 semester hours*

This course may be taken to fulfill the "Sophomore English option core requirement".

Cl 110 Introduction to Classical Archaeology

Introduction to the history and methodology of the modern archaeological study of the ancient world. Examination of specific sites to show cultural patterns and change. Limited consideration of material artifacts as artistic achievements.

No knowledge of Greek or Latin required *3 semester hours*

Cl 112 The Roman Revolution

A detailed study of the first century B.C., the collapse of the Roman Republic and the establishment of the Roman Empire. The course will move beyond strictly political history to include the cultural and social life of the times so as to give a sense of what it was like to be alive in what was probably the most exciting period of Roman history.

No knowledge of Latin required *3 semester hours*

Cl 109-Cl 112 may be taken to fulfill the "core requirement in History."

DEPARTMENT OF ECONOMICS

Professor: Walters (Chairman)
Associate Professors: Deak, Heinze, Hohmann
Assistant Professors: Buss, Devine

The curriculum of this department seeks to provide the student with an understanding of our economic system. Course content is basically theoretical and aimed at developing the student's analytical and reasoning powers and at stimulating his powers of interpretation, synthesis, and understanding. The program prepares the student for graduate or professional schools and provides a good background for the business world, while maintaining the objectives of the liberal arts tradition.

Ec 11 Introduction to Micro-Economics

Analysis of the behavior of individual consumers and producers as they deal with the economic problem of allocating scarce resources. Includes a discussion of how markets function to establish prices through supply and demand, how resource costs influence firm supply and how variations in the level of competition affect the efficiency of resource use. Topic areas include anti-trust policy, the distribution of income, the role of government and the environmental problems. *3 semester hours*

Ec 12 Introduction to Macro-Economics

Uses Keynesian theory to study the aggregate behavior of consumers and businesses as they affect the level of employment and prices. Examines the role of government and the ability of monetary and fiscal policy to stabilize the level of output and inflation. Topic areas include the functioning of the banking system, GNP, taxation, and government spending, monetarism and the influence of money. Ec 11 is suggested but not required.

3 semester hours

Ec 104 Intermediate Micro-Economic Theory

Builds upon and expands the theoretical models of Ec 11. Introduces indifference curves as the basis of consumer demand, production functions and the efficiency of various competitive market structures. Topics include marginal productivity theory, income distribution, and general equilibrium theory. *3 semester hours*

Ec 105 Intermediate Macro-Economic Theory

An analysis of the determination of National Income and Output; fiscal and monetary tools; growth, inflation, and stabilization policies. *3 semester hours*

Ec 110 Financial Markets and Institutions

Matters examined include: flow of funds accounting; financial markets and institutions, level and structure of interest rates, and portfolio theory. *3 semester hours*

Ec 111 Money and Banking

Part I covers classical and Keynesian monetary theory, plus discussion of monetarist views.

Part II reviews central banking and Federal Reserve operations and policy making.

Part III considers the commercial banking industry, with a study of operations.

3 semester hours

Ec 112 Economic Aspects of Current Social Problems

A policy-oriented approach is used to study contemporary economic issues. Topics covered include: government spending, the role of Federal budgets in solving national problems, poverty, welfare, social security, population (the "limits to growth" controversy). *3 semester hours*

Ec 124 Labor Economics and Industrial Relations

This course is mainly concerned with what might properly be called "Labor Problems" e.g. 1.) what makes for good industrial relations within a company 2.) the determination of wages 3.) unemployment, its types, causes and cures 4.) the union movement.

3 semester hours

Ec 131 International Trade

This course deals with the following matters: international trade theory, international finance and balance of payments disequilibria, multinational enterprise.

3 semester hours

Ec 132 Economic Development of Third World Nations

The nature and causes of the problems facing the less industrialized nations of the world are considered. Primary attention is focused on the impact that various economic policies have on promoting economic development in the "third world."

3 semester hours

Ec 141 Government and Business

This course is basically concerned with two problems: 1.) the structure of our economic system 2.) the Government's effort to regulate, by law, the power of large corporations in the interest of the public good. *3 semester hours*

Ec 173 History of Economic Thought

The development of economic thought from ancient times to the present.

No prerequisite required. *3 semester hours*

Ec 174 Comparative Economic Systems

The methods used in various industrialized countries to attain their diverse economic goals are considered. Attention is focused on Marxism as a viable alternative to the capitalistic system. The economic systems of the USSR, East Europe, Sweden and other nations are discussed. *3 semester hours*

Ec 175 Managerial Economics

Applies economic concepts and theory to the problem of making rational economic decisions. Topics discussed include inventory control, decision making under risk and uncertainty, capital budgeting, linear programming, product pricing procedures and economic vs. accounting concepts of profit and cost. *3 semester hours*

Ec 176 Public Finance

A study of government expenditure and tax policies. Emphasis is placed upon evaluation of expenditures, the structure of federal, state and local taxes, and the budget as an economic document. Fiscal and debt management policies for economic stabilization are also analyzed. *3 semester hours*

Ec 178 Statistics

An introductory course in the basic concepts required for the analysis and interpretation of data. Topics in statistical inference include: test of hypotheses, analysis of variance, and regression and correlation analysis. These tests are applied to data gathered on economic variables. *3 semester hours*

Ec 198 Independent Study

For economic majors only; open to Seniors by invitation.

DEPARTMENT OF EDUCATION

Assistant Professor: Costa

Students who are preparing for high school teaching should consult the Chairman of the Department at the end of the Freshman year for advice on state certification requirements applying to the subject they wish to teach. No recommendation for teaching will be made if the student's Q.P. average in his chosen field is less than 2.5.

Ed 115 History and Principles of Education

This course presents the historical development of education with regard to curriculum, methods, organization and control, and the relationship of society to each of these areas. The influence of philosophers and educators from Plato and Aristotle to Hutchins and Dewey are considered. During the second half of the course, stress is placed upon the historical development of the American public schools from Colonial times to the present. *3 semester hours*

Ed 141 Educational Psychology

A particular application of the more important psychological principles to educational theory and practice. This course embraces a systematic study of the educable being, habit formation, phases of learning, intellectual and emotional growth, and character formation. Individual differences, transfer of training, interest, attention, and motivation, insofar as they influence the teaching process, will be included.

3 semester hours

Ed 145 Adolescent Psychology

A study of human behavior and development during the period of adolescence. Physiological, intellectual, emotional and social development, and the factors and agencies influencing such development, will be considered. *3 semester hours*

Ed 163 Methods of Teaching in Secondary Schools

Application of principles of education to classroom instruction in secondary schools. Attention will be centered upon planning for teaching, uses of various methods and materials, tests, classroom management and discipline. Consideration will also be given to the position of the teacher in public schools, special services available to teachers and pupils, extra-curricular programs, and responsibilities of teachers.

3 semester hours

Ed 171 Survey of Educational Media and Reading Methods

A survey of current audio-visual aids being used in the public schools; includes a study of software and hardware. A survey of methods and materials for improving reading and study skills at the secondary school level. *3 semester hours*

Ed 181 Directed Observation and Supervised Practice Teaching I

An internship course for students who have been approved by the University authorities as potential teachers in secondary schools. Classroom observation will illustrate the theory seen in methods classes. Class organization and management, curriculum division, technical teaching devices and the manifold relationships of the teacher with the student will be noted under direction. Individual and group conferences with the Director of Teacher Training. *2 semester hours*

Ed 182 Supervised Practice Teaching II

A continuation, for students who have satisfactorily completed Education 181. It will consist of active participation in school life with emphasis on the actual conduct of classes. Lesson planning and execution under the combined supervision of the classroom teacher and the Director of Teacher Training; individual and group conferences on techniques of teaching, classroom management, evaluation, and individual and group diagnostic and remedial devices. *4 semester hours*

ENGINEERING - See Physics Department

DEPARTMENT OF ENGLISH

Professors: Riel, Rinaldi
Associate Professors: Berrone, Farnham, Landry (Chairman), McDonnell, McInerney, McIntyre, O'Connor, Regan, M., Wells
Assistant Professors: Jenkins, Lynch, Menagh, Mullan, Reddy, Regan, R., Shaffner

I. THE GENERAL ENGLISH CURRICULUM

Freshman English consists of two required courses:

En 11 Composition and Prose Literature
This course incorporates the study of essays and/or other forms of literary non-fiction to be analyzed in class, together with the student's own exercises in formal and informal analytical prose. En 11 emphasizes the style and rhetoric of prose, techniques of expository writing, and basic writing and research skills such as the dictionary, use of the library, and the MLA Style Sheet. *3 semester hours*

En 12 Introduction to Literature
A study of drama, fiction and poetry as they reflect literary and cultural approaches to man and society. Selected works from various ages and civilizations introduce the student to the techniques and traditions of the major literary genres. En 12 also demands critical writing as an extension of Composition in En 11, including a research paper.
3 semester hours

Sophomore Requirement

A series of lower-division courses are available to sophomores to fulfill the final semester of their English requirement, as well as to upperclassmen as general elective courses.

En 20 Speech
An introduction to platform speaking. This course includes training and practice in the preparation and delivery of a speech. It also includes an introduction to the techniques of argumentation and persuasion.
3 semester hours

En 21 Journalism
The goal of this course is to develop in the student the ability to write various types of clear, correct, interesting non-fiction, acceptable for publication. *3 semester hours*

En 23 The Epic Hero
This course ranges from Homer to J. R. Tolkien. The epic writer employs a vast canvas in telling his story and so gives us a picture of an entire civilization. His hero embodies the highest values of his society and represents that society against the forces of chaos and evil. Our focus, then, is on the changing image of the hero, particularly as presented in *The Iliad, The Odyssey, The Aeneid,* and *The Lord of the Rings.* *3 semester hours*

En 24 Tragedy
Comparative study of tragic dramas in the Western tradition. Emphasis on major themes and character development. Illustrations from Greek, Indian, English, French, German, and American writings.
3 semester hours

En 25 Shakespeare

A study of Shakespeare's creative and intellectual development. Plays include major histories, comedies, problem plays, tragedies and romances. The course also presents background in Renaissance England and the Elizabethan drama. *3 semester hours*

En 26 The Lawyer in Literature

The focus of this course is threefold: the image of the lawyer in literature; the interaction of law and literature; and the law itself as literature. Examples of the kind of works in each category are: Portia in *Merchant of Venice* or Krook in *Bleak House;* the legal argument in *Billy Budd;* Joan of Arc's "Testimony Given at Her Trial for Heresy and Witchcraft" or Felix Frankfurter's opinion on Sacco and Vanzetti.

Students who intend to pursue legal studies are encouraged to enroll in this course, but the course is not directed exclusively to them and students from other fields of study are welcome. The orientation and methods of the course are literary rather than legal. *3 semester hours*

En 27 History and Politics in Literature

An examination of how literature has approached historical and mythic events through epic, romance, fiction, chronicle play and other forms. The primary focus is on the classic tension between ethics and politics, private and public values. Authors include Homer, Sophocles, Shakespeare, Shaw, Brecht, Dickens, Melville, Huxley, White, Arthur Miller, and Solzhenitzyn. *3 semester hours*

En 28 The Study of Human Behavior Through Literature

Students will be taught how to apply basic theories from psychoanalysis and humanistic psychology to folk literature, drama, and fiction. *3 semester hours*

En 29 Fiction (American Literary Naturalism)

This course traces elements of literary naturalism in the fiction of selected writers of the 20th Century. Particular emphasis is given to the persistent idea of The American Dream. *3 semester hours*

En 30 Twentieth-century Comparative Literature

Problems and solutions relating to the individual's struggle to exist in the 20th Century. Comparative study of Realism and representative reactions against Realism in selected readings from European literature. *3 semester hours*

En 31 Existential Literature

This course is a study of the Existential world-view as one of the most important bodies of thought in the 19th and 20th Centuries. Absurd thought will be studied, also, as a closely related view of the nature of human life.

Existential and Absurd values will be used to confront the following problems: human freedom vs. biological and social determinism, the creation of life meaning vs. the surrender to nothingness implicit in suicide, belief in God vs. affirmation of a humanly centered world, and contribution to society vs. nihilistic withdrawal.

Emphasis will be placed on the perception that Existentialism is a positive, even optimistic, philosophy of life, that it is not nihilistic and pessimistic, as it is sometimes misunderstood to be. Emphasis will also be placed on the fact that Existentialism is not necessarily atheistic, that some of the prominent exponents of Existential thought have written of their belief in God.

Among the authors to be read are Kierkegaard, Nietzsche, Dostoevsky, Sartre, Kafka, Faulkner, Beckett, and Camus. *3 semester hours*

En 32 The Nature of the Hero

The course begins with a general discussion of the meaning and function of heroes in society, focusing on them as projections of society's life values. Joseph Campbell's study of the archetype of the hero and the heroic journey will be used as a reference point.

Works from various cultures, ancient and modern, will then be discussed comparatively to study our own culture and other cultures through the heroes who have been projected in literature.

Among the works to be read are *Gilgamesh, Beowulf, Antigone, Murder in the Cathedral, The Madwoman of Chaillot, One Flew Over the Cuckoo's Nest, Waiting for Godot, Light in August,* and *The Red Badge of Courage.* *3 semester hours*

En 34 World of the Detective

An investigation into the literary genre known as "detective fiction" and some of the questions it raises. Why has this literary form been so popular and yet so long ignored in the classroom? What are its characteristics? What changes has it undergone in the hands of British and American writers? What are the differences between the so-called "classical" and "hard-boiled" schools? Is the Detective presented as a cultural "hero" or "anti-hero"? How real is the world of the fictional Detective? The works of the following writers are studied in detail: Poe, Doyle, Chesterton, Christie, Sayers, Chandler, Ross Macdonald, Hammett, Stout, Tey. *3 semester hours*

En 35 The Case for Literature

This course uses Sidney's *Apology for Poetry* as a model of rhetorical composition. Essentially it studies the various techniques of rhetoric that Sidney uses and illustrates their current applicability. This means attending to communication-theory as it pertains to the so-called rhetorical situation. *3 semester hours*

En 36 Development of the American Short Story

This course will trace the development of the American short story from its emergence in the literary-historical context of Nineteenth Century America to its maturity in the Twentieth Century. It will explore most intensively the writings of Poe, Hawthorne, James, and Hemingway, but will consider as well the contributions to the genre of Irving, Crane and numerous other writers. *3 semester hours*

En 45 Allegory and Fantasy

A genre study of prose works involving imaginary worlds, with focus on interpretation of landscape, symbol, and moral hierarchy. Authors studied may include A.A. Milne, Antoine de Saint-Exupery, Kenneth Graham, Lewis Carroll, Voltaire, Herman Melville, C.S. Lewis, J.R.R. Tolkien, Nathaniel Hawthorne, Franz Kafka, and Kurt Vonnegut, Jr. *3 semester hours*

En 48 The Quest Hero

Interpretations of the quest hero and his journey through some of the major works of Western literature. Emphasis will be on such archetypal patterns as initiation, trial, descent to the underworld, death and rebirth, apotheosis. Authors studied may include Homer, Virgil, Dante, Cervantes, Fielding, Voltaire, Melville, Kafka, Hesse, Steinbeck. *3 semester hours*

En 50 Modern Poetry

A study of Twentieth-Century poets with regard to traditional as well as revolutionary aspects. Poets will include Yeats, Pound, Eliot, Auden, Thomas, Hart Crane and Wallace Stevens. *3 semester hours*

En 70 Myth in American Literature

This course starts with an introduction to myth, in general, as an imaginatively conceived world-view or explanation of the meaning of life. Among the topics to be considered are the nature and genesis of myth, and the function of myth for the individual in his search for meaning and for the community in its search for collective meaning.

These ideas will then be applied to mythic themes which have given structure to the American experience, particularly to the Myth of Adam, the Fall, The Seduction of Innocence, the Coming of the Tragic Hero, and Rebirth and Redemption.

Among the American authors to be read are Emerson, Hawthorne, Melville, Howells, James, Dreiser, Fitzgerald, Faulkner, Flannery O'Connor, and Vonnegut.

3 semester hours

En 71 Studies in American Literature I

This course begins with a survey of the Puritan background to American literature and the writings of the early republic. The emphasis will be placed on the early national period and the romantic phase in American literature leading up to the Civil War. The writers to be studied include Irving, Cooper, Melville, Poe, Emerson, Thoreau, Hawthorne and Whitman. *3 semester hours*

En 72 Studies in American Literature II

Beginning with a study of the realistic movement, this course continues with a discussion of naturalism and the social and political writings at the end of the ninteenth century. The evolution of the modern temper from the post-World War I period to the present is another major line of development in the course. The writers to be emphasized include Twain, Howells, James, Crane, Norris, Fitzgerald, Hemingway, Faulkner, Mailer and Bellow. *3 semester hours*

En 73 Trends in Contemporary British and American Literature

An examination of the changes which have taken place in British and American Literature since World War II. Although fiction will be the focal point of the course, attention will also be paid to poetry and drama. Among those authors who will be considered are: Norman Mailer, Kurt Vonnegut, Joseph Heller, William Golding, Kingsley Amis, C. P. Snow and Doris Lessing. *3 semester hours*

En 75 American Novels into Film

This course gives a survey of the American film industry's historical dependency on the American novel as a source for screenplays. The problems inherent in adapting a literary form such as the novel into a film will be explored by comparison analysis of novels and their film adaptation. *3 semester hours*

En 76 Six American Poets

A study in our poetic tradition exemplified in the work of Emily Dickinson, Robert Frost, Walt Whitman, T. S. Eliot, Hart Crane, and Wallace Stevens. An exercise in practical criticism, it aims at showing the unity of the imagination. *3 semester hours*

En 94 Minority Literature: The American Scene

The class will read literature written by black, Spanish-American, Indian and Jewish authors. Through an exposure to minority literature the students should obtain a better understanding of the cultural heritage, problems and aspirations that are characteristic of these ethnic groups. *3 semester hours*

En 96 Women in Literature

The title of the course is intended not to define its limits but to widen the scope of literary appreciation by suggesting a new view of old works. Selections of great literature from medieval to modern times will be examined in terms of the current interest in women's rights; the degree to which literature has influenced the role of women

will be considered throughout the semester. Authors include Chaucer, Shakespeare, Milton, Byron, Hawthorne, James, Ibsen, Lawrence, and Woolf.

3 semester hours

En 98 Modern Women Writers

The course is study of works by English and American women of the 20th century, with particular emphasis on their efforts, in creating fictional characters, to understand and solve the problems faced by women in their various roles, especially when these and society's expectations conflict with their development as individuals.

3 semester hours

II. THE ENGLISH MAJOR

The courses described below are not restricted to English majors, although they are conceived to provide a comprehensive historical and intellectual approach to Western Literature.

The English major must, during his last three years, take at least ten upper-division English courses. These should be selected only after close consultation with a departmental advisor. A normal program will include at least five courses dealing with literature from periods prior to the year 1900.

En 103-104 Creative Writing

Designed to foster creativity and critical acumen through extensive exercises in the composition of verse, fiction and drama. *6 semester hours*

En 104.1 Creative Writing (Poetry)

A workshop situation designed to provide students with an opportunity for extensive experimentation with verse forms and free verse. Readings in contemporary poetry will form an integral part of the course. *3 semester hours*

En 105 Journalism

The goal of this course is to develop in the student the ability to write various types of clear, correct, interesting non-fiction, acceptable for publication. *3 semester hours*

En 106 Spenser

In order to establish Spenser's centrality during the age of Elizabethan literature, this course will read both his major and minor works. As a representative of the New Poetry, Spenser shows some affiliation with the Sidney Circle. But he also pursues a public career in Ireland. Taken together, these influences make Spenser "the Prince of Poets."

3 semester hours

En 107 Advanced Composition and Teaching Practicum

This course is designed for English education majors but is open to all students who wish to develop their own expository and creative writing skills while they master practical teaching skills by working with freshman composition students for an hour each week.

3 semester hours

En 109 Irish Literature

The purpose of this course will be to study the coming together of many apparently unrelated phenomena around the turn of the century to produce a unique and most unlikely phenomena, The Irish Literary Renaissance.

Initially, the course pursues readings in Irish history to firmly establish the background against which the drama of the Renaissance was played. The founders of the Abbey Theatre (Yeats, Lady Gregory, Martyn) and the Abbey's greatest products (Synge and O'Casey) will be read. The flowering of a poetry inspired by peculiarly

Irish feelings and carried out by a peculiarly Irish genius will then be read (Yeats, Stephens, Colum, "A.E.", Clarke, Campbell and the '16 poets). In narrative prose, Joyce, Stephens, Moore, O'Kelly, MacNamara, O'Flaherty, O'Connor, O'Faolain, Lavin, and Beckett will be considered.

The course concludes with an evaluation of this Renaissance in terms of its avowed intentions, its significance (first in terms of Irish literature, then in terms of world literature), and a study of the literary descendants of the Revival (Behan, Johnston, Carroll, O'Brien, Macken, Kavanagh, McGahern and others). *3 semester hours*

En 111 Shakespeare I

Shakespeare from 1588 to 1600. The plays include the history plays, the early comedies, and the mature romantic comedies, as well as several tragedies "Romeo and Juliet", "Julius Caesar". The "Sonnets" and "Venus and Adonis" also fall in this period. Shakespeare's intellectual and artistic development is studied, together with background in Tudor history, the Elizabethan milieu, and the Elizabethan stage.

3 semester hours

En 111a Shakespeare II

Shakespeare from 1600 to 1612. The problem plays, tragedies and romances are the subject matter for an examination of Shakespeare's full maturation as artist and thinker. The Jacobean world-view and changing stage conventions are studied as catalysts in the development of Shakespeare in the second half of his career.

3 semester hours

En 113 Inside Modern Drama

Selected readings form Ibsen to the present. The focus of the course will be on structural and thematic analysis of major modern plays. There will be special consideration of cultural movements from which the plays arise. *3 semester hours*

En 114 The New Theater of Europe and America

A critical analysis of the contemporary drama from Beckett to the present. Topics for study will include: The Romantic Survival, Social Realism, Poetic Drama, Existential Drama, and Theatre of the Absurd. Particular emphasis will be placed on the role of the playwright as spokesman for his time. Trips to local theatres and to New York City will complement the class discussions. *3 semester hours*

En 115 James Joyce's Ulysses

Analysis and interpretation of James Joyce's comic novel, *Ulysses*. Emphasis will be in intensive reading of the text and extensive reading of related criticism and scholarship.

3 semester hours

En 116 Comedy

A survey of various forms of literary comedy from Aristophanes to Joseph Heller. Emphasis is on how comic writers use structure, character, tone and convention to create comic forms, including festive comedy, satire, comedy of manners, farce, and "black comedy." Writers include Shakespeare, Jonson, Moliere, Fielding, Voltaire, Shaw, Chekhov and Twain. *3 semester hours*

En 119 Comparative Medieval Literature

The course consists of a comparative study of major works in French and English literature between the eight and the fifteenth centuries. Translated selections from the prevalent genres — epic, romance, lyric, allegory, debate — will be considered, in an effort to determine Continental and Anglo-Saxon influences on the development of themes and forms in subsequent English literature. *3 semester hours*

En 121 Chaucer

The course will consist of a close reading, in middle English, of Chaucer's major work, *The Canterbury Tales*. Classes include discussions of the themes, characterizations, literary genres, philosophical concepts, stylistic techniques, and pure charm of this monument of western literature. Although background material will be provided or assigned as necessary, concentration will be on the text itself rather than on critical or historical commentary. *3 semester hours*

En 122 The Adolescent in Literature

This course addresses itself to two major concerns: preparation for those who intend to teach English in high school, and a study of the evolution of the idea of adolescence and the appearance of the "adolescent" in literature. Emphasis is on English literature but some works in translation will be included. Some works studied are: *Antigone; Henry IV, Parts I and II; Romeo and Juliet; Huckleberry Finn; Little Women; Great Expectations; Red Badge of Courage; Catcher in the Rye; Caesar and Cleopatra,* and *Rasselas.*

3 semester hours

En 125 English Renaissance Literature

A study of major writers of the Tudor and Elizabethan periods, with emphasis on such contemporary themes as love, art, Christianity, and social justice. Writers include Spenser, Sidney, Shakespeare, Ralegh, Marlowe, More. *3 semester hours*

En 127 Continental Renaissance Literature

A study of basic Renaissance styles of thought, as found in some of the more important continental writings of the 14th, 15th, and 16th centuries. Selected works from: Petrarch, Pico della Mirandola, Erasmus, Castiglione, Rabelais, Montaigne, and others. The emphasis will be largely critical, but historical aspects will be included also. A few classical works will be examined as background. All in translation.

3 semester hours

En 128 Tudor Humanism

This course studies Sir Philip Sidney's *Apology for Poetry* in its historical context. Basically a cultural over-view of the sixteenth century, it concentrates on the Northern tradition represented chiefly by Erasmus. Since Sidney's *Apology* synthesizes three traditions in literary criticism, the classical, the mediaeval, and the renaissance, it offers an exact statement of the literary theory which motivates this Golden Age in English literature. *3 semester hours*

En 131 Seventeenth-Century Literature

A selective survey of Seventeenth Century English Literature which includes the drama, poetry and prose of the century with emphasis on dominant themes in the literature. Selected works from: Donne, Jonson, Webster, Herbert, Herrick, Suckling, Lovelace, Marvell, Crashaw, Bunyan, Walton, Pepys and Dryden. *3 semester hours*

En 132 Milton

The study of the development of a poetic genius. The course proceeds from Milton's early poems, through his controversial prose, to his mature masterpieces: *Paradise Lost, Paradise Regained* and *Samson Agonistes.* *3 semester hours*

En 135 The Victorian Revolt

A literary portrait of England in the 19th Century: Selected novels of Dickens, Thackeray, Bronte, Butler and Hardy recreate the human dramas in a turbulent period; selected prose of Carlyle, Mill, Newman, Arnold, Ruskin, Darwin, and Huxley present the drama of ideas in the harsh climate of cultural change. *3 semester hours*

En 136 Victorian Poetry

The primary focus of this course will be on modern perceptions of mortality, death, doubt, faith, and love in selected poems of Tennyson, Browning, Clough and Arnold; its secondary focus will be on the innovative diversity of motifs and styles in selected poems of Swinburne, Hopkins and Hardy. Essentially the 19th century poets present angles of observation on human nature that are relevant to the 20th century.

3 semester hours

En 141 Film and Literature

This course begins with a survey of the Film Industry's historical dependency upon literary properties. A comparison analysis is made of specific films adapted from novels, plays, short stories, and poems. The overall intention of this course is to provide the student with a historical and critical perspective on the film as an art form.

3 semester hours

En 143 Eighteenth-Century Literature

A selective survey of Eighteenth Century English Literature which includes both The Age of Pope and The Age of Johnson. Authors studied include: Pope, Swift, Fielding, Defoe, Richardson, Sterne, Collins, Gray, Johnson, Boswell, Goldsmith, Burns, and Blake.

3 semester hours

En 152 The Romantic Movement

The study of the English Romantic poets and the "revolution" they caused in literature. A close reading of the poems of Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. Attention is also given to the literary theories propounded in their prose writings.

3 semester hours

En 161 Comparative Literature I

The rise of Romanticism and Realism in 19th-century European literature. Comparative analysis of literary themes and characters. Precursors in Voltaire and Johnson and illustrations from German, French, English, Russian, and Spanish writings.

3 semester hours

En 162 Twentieth-Century Comparative Literature

The quest for selfhood in 20th-century Western literature. Comparative study of reactions against Realism and Naturalism in selected readings from English, French, German, Russian, and American writings. *3 semester hours*

En 163-164 Development of the British Novel

An intensive study of the British novel as it has developed over the course of the last three centuries. Both formal and thematic aspects of the novel are considered in terms of their historical evolution. In the first semester, novelists from Bunyan to Dickens are studied, while the second semester deals with selected novels from Hardy to C. P. Snow.

6 semester hours

En 166 Modern British Poetry

A study of British Poetry in the 20th Century with regard to its traditional as well as revolutionary aspects. Among the poets to be considered are Hardy, Hopkins, Yeats, Eliot, Auden and Thomas. *3 semester hours*

En 172 American Romanticism

Starting with a discussion of Romanticism in general as an intellectual and historical movement, the course looks in depth into one of the most fertile periods of American Literature, the American Renaissance (1830-1865). Emphasis will be placed on the divergent qualities of such romantics as Emerson, Thoreau, Poe, Hawthorne, Melville, and Whitman. *3 semester hours*

En 173 American Literature: 1865-1914
This course concerns itself with the evolution of American realism after the Civil War and the subsequent naturalistic movement in American Literature. The writings of Twain, Howells, DeForest, James, Crane, Dreiser and others. *3 semester hours*

En 174 American Literature: 1920-Present
The development of the modern American writer will be traced from the post-World War I era through the depression and to the present. The writings of Fitzgerald, Hemingway, Faulkner, Frost, Steinbeck, O'Neill, Mailer, Lowell, Bellow and others.
3 semester hours

En 175 Contemporary American Fiction
Fiction of the sixties and seventies (conventional and experimental forms), with emphasis on works by Barth, Barthelme, Coover, and Roth. *3 semester hours*

En 178 American Thought in the Twentieth Century
This course will examine some major nonfiction in modern American letters. In an effort to discern some areas of permanent intellectual concern, it will begin with Henry Adams and move through Lionel Trilling.
3 semester hours

En 181 Descriptive English Linguistics
Introduction to the principles of modern descriptive linguistics, especially as they relate to present-day English: its grammatical structure, its sound and spelling systems, its vocabulary, and rules of usage. Modern English grammar will be approached from both the structural and transformational points of view, and special emphasis will be given to the application of linguistic knowledge to the teaching of the language arts, including compostion and stylistic analysis. *3 semester hours*

En 195-196 Topics in American Literature
Specialized courses and seminars.

En 197-198 Topics in English Literature
Specialized courses and seminars.

DEPARTMENT OF FINE ARTS

Professors: Emerich, Lukacs (Chairman)
Associate Professor: Heath
Assistant Professors: Gish, Grossman
Instructor: Eliasoph
Lecturers: Mutrux, E., Mutrux, R., Ryan, I., Sax, Scippa, Sill

Fa 20 Dance Workshop
Fundamental concepts and techniques of classical ballet, modern dance, mime and eastern dance forms will compose the basis for this course which aims at awareness of and communication through body movement. The level of advancement will depend on the ability and experience of the students.
No Prerequisite *1 semester hour*

ART

Requirements for Concentration
Required Courses: Fa 151-152, 175-176, 148; six courses to be chosen from 141 through 147 as well as from 171-172, 173-174, 175-176 and 191-192. 2 semesters of core courses in music and/or drama.

Fa 151-152 History of Art
A survey of the major movements and trends in the history of painting, sculpture, and architecture. *6 semester hours*

All art history courses require Fa 151 or Fa 152 as a prerequisite.

Fa 141 Art of Greece & Rome
The art and architectural history of antiquity from prehistoric Crete to the fall of the Roman Empire. Places the key monuments in the social-political and religious-philosophical context of the classical world.
3 semester hours

Fa 142 Early Christian Art
The transition from Late Antiquity to the emerging style of Christian Europe. Stresses the meaning and traces Early Christian Symbolism from Rome to the Imperial East into the early Middle Ages in the North.
3 semester hours

Fa 143 Romanesque & Gothic Art
A survey of the major monuments and trends in the history of painting, sculpture, and architecture in the late Middle Ages. Emphasis on the interrelation of Scholasticism, Mysticism, the demise of feudalism and the rise of the cities in Western Europe in considering the Romanesque and Gothic experience.
3 semester hours

Fa 144 High Renaissance in Italy
Developments in Western Europe, both North and South, following the Early Renaissance, concentrating on artists such as Leonardo, Raphael, Michelangelo, Bramante, Giorgione, Titian, Durer and Brueghel. *3 semester hours*

Fa 145 European Architecture
A survey of the architecture and its styles through the epochs.
3 semester hours

Fa 146 European Painting 1590-1750
This course concentrates upon the production of such artists as Caravaggio, Rubens, Poussin, El Greco, Velasquez, Rembrandt, Vermeer and Watteau. Emphasis is placed on the context and influence of the Reformation and Counter-Reformation in relation to the development of the Baroque style in Rome, Amsterdam, and Paris.
3 semester hours

Fa 147 History of Modern Art
Modern painting from Romanticism to the present time. Field trips to be arranged.
3 semester hours

Fa 148 Seminar
An extensive investigation concerned with problems of art historical research and contemporary arts criticism. Emphasis on key writings of art historical methodology and appropriate directed studies on connoisseurship and fieldwork in attributing originals, fakes, and forgeries. Participation in the course will enable students to actively work in the museum-gallery-resource library network of the international arts scene. Required for history of art majors and open with permission of the chairman to majors in other fields.
3 semester hours

Fa 149 Art In America
A general exploration of art and architecture from Colonial times to World War II. Includes study of local architecture and field trips.
3 semester hours

Fa 150 Contemporary Art in America

An examination of American painting and sculpture since World War II including such movements as: Abstract Expression, Pop Art, Op Art, Minimal Art, Conceptual Art, the New Realism, and Disposable Art. Investigation of the social background of transitory avant-garde movements which leads to the paradox of anti-art in contemporary society. Considers modern artworks from a multi-dimensional and multi-media approach.

3 semester hours

Fa 171-172 Introduction to Drawing & Painting I & II

Studio course in drawing and painting; Introduction to various media, with emphasis on the art of seeing basic techniques and craft. *6 semester hours*

Fa 173-174 Drawing & Painting, Composition I & II

An art workshop for individual creative expression with emphasis on the techniques of pictorial organization. Fundamental principles of perspective, light and shade, line, form and color, applied to drawing and painting projects from still-life, landscape, and imagination. Exploration of basic techniques including pencil, pen and ink, charcoal, pastel, water color, gouache and oil. *6 semester hours*

Fa 175-176 Basic Design I & II

Studio practice in the elements of form, color, compostion and organization. Student participation and demonstrations to stimulate perceptual awareness and creative ability. *6 semester hours*

Fa 191-192 Sculpture I & II

An introduction to the media and techniques of sculpture. *6 semester hours*

MUSIC

Requirements for Concentration
4 required courses: Fa 161, 181, 182, 183:
4 of the 5 following courses: Fa 162, 164, 166, 167, 168; and
1 of the following 2: Fa 163 or 165
2 semesters of core courses in art and/or drama.
4 semesters of applied music in the sophomore and junior years; one lesson per week.
Minimum level of competence to receive credit:

The Music Department aims at a balance between theory and practice. Therefore, to receive credit, music majors must demonstrate competence on an instrument or in voice. At the end of their sophomore year they must pass a qualifying exam by performing before a jury of the faculty. Preparation for this exam may be undertaken in several ways:

1. Without any training provided through or at Fairfield University.
2. Based on lessons that they are arranging or receiving on their own.
3. On lessons given under the auspices of Fairfield University and the Fine Arts Department.

Fa 161 Music I

This course assumes no knowledge of music. Through listening to live and recorded music, it enhances the student's enjoyment and understanding of music. An overview of the history of music, stressing the relationship between the art of music and the history of man.

3 semester hours

All music history courses require Fa 161 as a prerequisite.

Fa 162 19th-Century Romanticism in Music
A comprehensive survey of 19th-century Romanticism in music. The music of the Romantic era contains some of the richest masterpieces in music history. In addition to the music of Beethoven, Chopin, Verdi, Wagner, etc., the course will consider the relationship between music and the other arts.
3 semester hours

Fa 163 Great Operas
This course is designed to increase the student's enjoyment of opera. Several great operas will be examined in depth for both their musical and theatrical impact. Included is a backstage tour of the Metropolitan Opera House and attendance at one opera.
3 semester hours

Fa 164 Music of the Baroque
A study of the development of music between 1600 and 1750, from Monteverdi through Johann Sebastian Bach. The growth of instrumental music will be traced in conjunction with the social background.
3 semester hours

Fa 166 Music of the Twentieth-Century
An introduction to the main streams of music of our time. From Stravinsky and Schoenberg through electronic composers like Stockhausen, Pousseur, etc., to folk-rock phenomena like the Beatles, etc. *3 semester hours*

Fa 167 Music in the Classical Era
This music was composed for the high aristocracy of Europe, and later the rising middle class, culminating in Haydn, Mozart and Beethoven.
3 semester hours

Fa 168 Sacred and Profane Music: Where It All Began
From love songs of the troubadors and Minnesingers, the music of the great cathedrals, through the music, bawdy or sentimental, played at the court of Queen Elizabeth, set to the words of Shakespeare.
3 semester hours

Fa 170 "Johann Sebastian Bach"
The life of Johann Sebastian Bach and works such as his cantatas, Passions, masses, suites, concertos, the "Well-Tempered Clavier," "Art of the Fugue", and "Musical Offering" will be presented.
3 semester hours

Fa 180 Rudiments of Music
This course will introduce students to the basic concepts of music theory. Beginning with the notation of pitch and rhythm, the course investigates the major and minor key system, intervals, chord construction, transposition, the notation of melodies, etc. This course has no prerequisites and presupposes no knowledge of music theory.
3 semester hours

Fa 183 Form and Analysis
This course is designed to develop the student's appreciation of musical structure through the detailed analysis of scores. Representative works will be studied to establish not only the technical achievements of different periods, but also to find basic concepts which all composers have used in their search for formal and expressive excellence. Changes of style will be related to the general philosophy of their time. Prerequisite: Fa 181-182 or the equivalent. *3 semester hours*

Fa 184-185 Fa 186-187 Applied Music (Various Instruments)

THEATRE

Fa 100 Seven Ages of Theatre
A selective and critical study of the history of world drama. The aim is to discover the varying functions of drama as man searches for self-realization through myth, mystery and reason. *3 semester hours*

Fa 110 Interpretation—Voice and Movement
Instruction in body movement, mime and dance as the creative expression of thought and action. Also the study of voice production, control and diction.
3 semester hours

Fa 111 Writing for the Theatre
An intensive study of preparing the scenario, plotting, structure and characterization. *3 semester hours*

Fa 120 Ibsen to Eliot
An analysis of the content, form and style of Europe's most prominent playwrights to recognize their influence on the development of drama and to evaluate their relevance to the contemporary scene. *3 semester hours*

Fa 121 Osborne to the Present Day
A study of the prominent plays since World War Two to current productions to discover the changes in man's relevance to the world around him. *3 semester hours*

Fa 122 American Drama in the 20th Century
A study to discover the special problems of the American playwright in his efforts to reflect our society and his role of social critic. *3 semester hours*

Fa 135 History of Film I
An analysis of the art of film in its beginning in America and Europe.
3 semester hours

Fa 136 History of Film II
This course continues to trace the development of film and therefore History of Film I is a requirement. *3 semester hours*

SCULPTURE

Fa 191 Sculpture I
Introduction to concepts of sculptural form through modeling in clay with emphasis on the human figure. Armature building and simple casting techniques are included. *3 semester hours*

Fa 192 Sculpture II
Further development of concepts of sculptural form through the exploration of various media using both additive and subtractive approaches. Additional casting techniques are taught. *3 semester hours*

Fa 193-194 The History of Modern Architecture
The architecture of today is studied in terms of its historical background in form, function and technology. Special emphasis is given to the importance of social and human factors, in particular man's pervasive need for permanent identification.

The course offers an acquaintance with the philosophy of architecture as an expression of daily life in all past ages, and culminating with the immediate present. In addition, the progress of structural engineering is traced in detail.

Other forms of creative expression will be integrated into the course, but the major emphasis will be on the art of shelter. *6 semester hours*

DEPARTMENT OF HISTORY

Professors: Buczek, McCarthy
Assistant Professors: Abbott, Baehr, Costello, Davis, DeAngelis, Kazura, Murphy, J. (Chairman), Petry

Courses offered by the Department are designed to develop insights and a sense of perspective in the study of the human past. All fields of concentration within the discipline will also appeal to those who, while not majoring in history, desire a broad, cultural basis for their specific concentration in government, the study of law, foreign service, teaching and allied professions.

History majors must successfully complete twenty-four upper division, elective credit hours; plus twelve such credit hours in allied fields.

EUROPEAN HISTORY

Hi 15 Western Civilization I
From the ancient cultures of Israel, Greece and Rome to the Protestant Revolutions. Lecures and readings demonstrating the foundation and component parts of Western civilization, establishment of the Christian Church, medieval synthesis and its collapse in the sixteenth century. *3 semester hours*

Hi 16 Western Civilization II
From the Catholic Reformation to the Nuclear Age. Lectures and readings demonstrating the triumph of humanism, its secularization, the growth of science and the ascendancy of liberalism through World War I; twentieth century second thoughts and re-evaluations. *3 semester hours*

Hi 103 Medieval Civilization: Ideas and Institutions I
Christianity and classical culture; the influence of St. Augustine; the Germanic migrations and their institutional influences; the culture of a barbaric society; Church, Empire and the ideology of the Christian Commonwealth; a struggle of ideas: the Investiture controversy.

3 semester hours

Hi 104 Medieval Civilization: Ideas and Institutions II
This course will deal with the interaction between ideas and institutions: the influence of Pope Gregory VII on medieval views of society; feudal institutions and Romanesque art; the rise of cities and scholasticism, universities, Cathedrals, mendicant orders; Church and Empire vis-a-vis the culture and thought of the high Middle Ages.

3 semester hours

Hi 105-106 Renaissance and Reformation I-II *6 semester hours*

Hi 107 Rise and Death of Absolutism I
A political and social history survey of the 17th century that will show both the successful and unsuccessful attempts to develop or resist obsolute government. The contrast between England and France will be the central theme. Connected with this is the story of the failure of war, the emergence of a shift eastward in the European balance of power due to the rise of Prussia and Russia and the growing weakness of the Ottoman Empire.

3 semester hours

Hi 108 Rise and Death of Absolutism II

A political and social history survey of the 18th century that begins with the end of effective Bourbon absolutism and finishes with the collapse of Napoleon I after he had temporarily fulfilled both the goals of Louis XIV and the dream of the "philosophes." Parallel to and essential parts of this story will be the reshaping of the Habsburg territories and traditions, the rivalry with Prusssia, the rise and decline of "enlightened despotism," the continued emergence of Great Britain as a continental and imperial power, the full entrance of Russia into western affairs and the consequent development of Russophobia.

3 semester hours

Hi 111 European Thought and Culture I 1500-1799

Humanism as the path to salvation from Post-medieval Europe to the French Revolution. Its vicissitudes from Marsiglio of Padua, Pico della Mirandola and Erasmus to Voltaire, Rousseau, and Goethe. The development of religious thought from Nicholas of Cusa and the *Devotio Moderna* to John Wesley and Febronianism. The growth of scientific thought from Copernicus to Buffon. The reflection of these values in the parallel movements in painting, architecture and music from Piero della Francesca, Brunelleschi and Josquin des Pres to Fragonard, the brothers Zimmermann and Franz Josef Haydn.

3 semester hours

Hi 112 European Thought and Culture II 1799-1975

The European search for values in the age of political, social and technological revolution from the optimism of liberalism, socialism and nationalism to the desperation of fascism, communism and existentialism. The Demythologizing of Western thought from Feuerbach, Balzac and Darwin to Freud, Max Weber and Camus. From order to chaos in the arts: from David, Beethoven and Delacroix to Giacometti, Stravinsky and Picasso. Conflicting currents in the contemporary Western outlook.

3 semester hours

Hi 113 European Thought and Culture, 16th Century

The culmination of Renaissance humanism in the movement for a reformed and ethical Christianity in the first third of the century (Erasmus, More, Vives, Rabelais). The Lutheran reform, a no-confidence vote in the renaissance and man. The Calvinist reform, a vote of confidence in man as tool of God. The Counter-reformation as astute blend of humanism and orthodoxy. The lot of the underdog: the failure of the radical reformation.

The end of a united Christendom and the emergence by 1600 of a chastened and skeptical humanism (Montaigne, Cervantes, Shakespeare) and the beginning of the turn towards science as solution (Galileo, Bacon, Harvey).

The movement in the arts from Botticelli, Bosch and Bramante to Tintoretto, Palladio and Monteverdi.

3 semester hours

Hi 114 European Thought and Culture, the Enlightenment

The triumph of natural philosophy and "empiricism" in Locke and Newton, the creators of the French Enlightenment. Early manifestations of the age in Montesquieu, Voltaire and Pope. The **Encyclopedie** as the quintessential expression of **philosophe** and **bourgeois**. The flood tide of the enlightenment in the materialist and utilitarian thought of La Mettrie, d'Holbach, Helvetius and Bentham. Hesitations and countercurrents in Rousseau, Diderot and Sam Johnson. Voltaire, Gibbon, Condorcet and Herder and the rise of historical thought. The German Enlightenment and Romanticism. The movement in the arts: Baroque, Rococco, Neo-classical, Romantic. Culmination: Kant or Sade?

3 semester hours

Hi 115 European Thought and Culture, 17th Century

Conflicting currents in the seventeenth century find temporary resolution in Baroque art (architecture, sculpture, painting, music, drama, epic): Christian asceticism

and humanism, classical and empirical rationalism, renaissance exuberance and skepticism. European values in the age and expression of Bacon and Descartes, Galileo and Pascal, Rubens and Rembrandt, Hobbes, Milton and Bossuet, the Jesuits, Jansenists and Arminians, Bernini and Wren, Corneille and Racine, Leibnitz and Newton. The battle of the Books, the collapse of the Baroque synthesis and the emergence of "empiricism" by 1700.

3 semester hours

Hi 116 European Thought and Culture, the 19th Century

The search for lasting values in a century of cataclysmic change. The major currents of the nineteenth century: romanticism, liberalism, socialism, Marxism, nationalism, social Darwinism, positivism and modernism. The movement in the arts from Schubert, Weber, Goya, Delacroix, Goethe, and Stendhal to Mahler, Richard Strauss, Monet, Van Gogh, Strindberg and Zola.

3 semester hours

Hi 117 Catholicism in Modern Times I

This course will treat Catholicism as a major institution and intellectual force in the history of western civilization. The following topics will be covered: the collapse of the medieval Church during the Reformation and the emergence of Tridentine Catholicism; the high-point of institutional development in the 17th century and the conflicts with spontaneous religion; the retreat of the Church in the 18th century before the secular state and the religion of rationalism.

3 semester hours

Hi 118 Catholicism in Modern Times II

This course will deal with the following topics: the confrontation between Catholicism and revolution; the Church as the ally of Counter-revolution and Romanticism; the rise of political Catholicism; the Church and the problem of nationalism; Modernists versus Integralists; the Church and the totalitarians; the Church in mid-twentieth century: reform or revolution.

3 semester hours

Hi 121 The French Revolution and Napoleon

The course will deal with the causes of the Revolution, the move from moderate to radical change, the dynamics of the Terror, the roots of counter-revolution, and the reaction that led to military dictatorship; it will also handle the problem of the assessment of Napoleon's career, the basis of his empire and its relationship to the satellite kingdoms, and the effects of French hegemony upon Europe.

3 semester hours

Hi 122 The Third, Fourth and Fifth French Republics

The course will explore the political and social structure of the Third Republic and the effect upon it of the Commune and the Dreyfus Case. It will ask why the Republic triumphed in World War I and collapsed in World War II; whether the Fourth Republic was a regime of achievement or stagnation. It will also deal with the colonial problem, the return of De Gaulle, and the assessment of the Fifth Republic's achievements in its first ten years.

3 semester hours

Hi 123 Problems in British History

A specialized course intended for students with Hi 131-132 or its equivalent in survey history or literature. The "problems" under study shall vary from year to year. This course will be devoted to the relations between England and Ireland from the 12th century Bull "Laudabiliter" until the contemporary embarrasssments.

3 semester hours

Hi 124 Nineteenth Century Europe I (1800-1848)

Europe tries to find itself after the first total war. The problems of a postwar generation. The Congress system and peace through the elite. The mixed heritage

of the French Revolution and Napoleon. Youth in revolt. The Romantic movement. Liberalism, constitutionalism and laissez-faire. The conservative tradition. Utopian socialism. The impact of the industrial revolution. The revolution of 1848.

3 semester hours

Hi 125 Nineteenth Century Europe II (1848-1870)

The results of the failure of the Revolutions of 1848. Industrialization and an alienated society. Burgeoning of Marxism, Socialism, Nationalism, Liberalism, and Democracy. The unification of Germany and Italy. Napoleon III and the Second Empire. The new Colonialism. Mid-Victorian England. Tortuous diplomacy for peace. Europe and the United States.

3 semester hours

Hi 126 Nineteenth Century Europe III (1870-1915)

Conflicting cultural currents at the fine de siecle. The Purple Internationale. The new Balkan states. A chaotic Republic in France. The Empire on which the sun never set. The Prussianization of Germany. The growth of materialism, radicalism, and the impact of urbanization. The new imperialism. Diplomacy and Realpoitik. The drift toward war. The diplomatic and military background of World War I. Europe and the non-European world. Social Darwinism and scientific Marxism.

3 semester hours

Hi 127 Twentieth Century Europe I

The course will cover the collapse of the European world-order in the first World War; the problems of the Peace of Versailles; the advance of totalitarian ideologies in Central and Eastern Europe; the failure of the western democracies to achieve consensus at home or security abroad; the great depression and the collapse of the Versailles system; the origins of Hitler's War.

3 semester hours

Hi 128 Twentieth Century Europe II

The course will describe the transformation of the European war of 1939 into the World War of 1941; the division of Europe in the post-war world and the problem of the origins of the Cold War; the Europe of the Christian Democrats in the 1950s; the end of colonialism and the troubles of the Stalinist Empire; Europe's search for a role in the sixties; the revolutions in Prague and Paris.

3 semester hours

Hi 131 Rise and Fall of the British Empire I

This survey traces the rise of "Great Britain" from Bosworth Fields to the death of Queen Anne. This period of dramatic change commences with an England that is by religion Catholic and, because of the War of the Roses, politically and economically weak. It ends with a "Great Britain" — a growing overseas empire abroad and a solid Protestant establishment at home. In this story the social, political and cultural impact of the Tudor "revolution," the decline of the aristocracy and of the gentry, the Civil War and "Glorious" revolution, the Acts of Settlement and Union will be emphasized.

3 semester hours

Hi 132 Rise and Fall of the British Empire II

A continuation of the survey that will show the birth and death of two British Empires. It begins with Great Britain as a definite force in the European diplomatic system and it ends with what this ultimately achieved, the signs of her future collapse, obvious by the end of World War I. In this the importance will be stressed of such items as her colonial policies, the politics of George III, the effects of the American and French revolutionary wars, the demise of the Protestant Establishment, the triumph of the House of Commons and the shattering of the old ways by the "guns of August."

3 semester hours

Hi 133 History of Modern Germany I

The Reformation becomes a German civil war; The tragedy of Westphalia; French and Swiss influences; Absolutism and absurdity; The Kleinestaaterei; Habsburg Hohenzollern rivalry; The wars of the 18th century; Growth of the military tradition; Aufklarung, Sturm und Drang, and Romanticism; Germany, the French Revolution and Napoleon; Metternichean .Germany; Liberalism versus Nationalism and the Revolutions of 1848; Promise and disaster of Frankfurt; Bismarck and Unification; the Second Reich — echo or first forerunner of the Third?

3 semester hours

Hi 134 History of Modern Germany II

The constitution of the Second Reich. The Kulturkampf. Movements for social reform. Bismarck as the arbiter of Europe. Germany enters the imperial race. Wilhelmian Germany. Cultural currents at the turn of the century. The steps to war. The impact of the Versailles Treaty. Communists in Berlin and Munich. Reaction of the Right. Weimar and the experiment in democracy. Cultural and social roots of National Socialism, Hitler and the dramatis personae of totalitarianism. The theory and practice of the Third Reich. World War II and the Gotterdaemerung. Germany's occupation and division. The two Germanys. Rebirth of a world power?

3 semester hours

Hi 135 History of the Decline and Fall of the Holy Roman Empire I

The effort to reestablish the Roman Empire and the rise of Germany to European hegemony. The decline of imperial government. Emergence of the major German principalities and new governmental structures in the late Middle Ages.

3 semester hours

Hi 136 History of the Decline and Fall of the Holy Roman Empire II

The effects of the Reformation on German politics and society. The Thirty Years' War. Emergence of the German and Austrian great powers. The German cultural resurgence. The collapse of the Empire and the attempt to preserve its values in the Rheinbund.

3 semester hours

Hi 137 Russian Revolutionary Tradition I

The political, social and religious roots of Muscovite absolutism; "Moscow the Third Rome"; the growth of serfdom; the "Time of Troubles"; problems of Church and State; the Russian Church schism and its consequences; Peter the Great, reformer or revolutionary; the peasant problem in the eighteenth century.

3 semester hours

Hi 138 Russian Revolutionary Tradition II

Catherine the Great as reformer: beginnings of intellectual protest against serfdom and autocracy; Russian in an age of revolution; revolutionary ferment in Russia; Slavophiles and Westernizers; from populism to Marxism—Leninism; the Conservative defense; Menshevik versus Bolshevik.

3 semester hours

Hi 139 Twentieth Century Russia

The course will begin with the Revolution of 1905 and will concentrate on the clash of ideologies leading to the Revolution of 1917. The Revolution of 1917 in its two phases will be studied chiefly from an ideological point of view. Finally an exploration into the relationship between Russian Marxist ideology and power, and ideology and the social and cultural transformation of Russia through the periods of War Communism, N.E.P., Stalinism, and post-Stalinism. Readings from Plekhanov, Lenin, Trotsky, Stalin, Krushchev, Gorky, Sholokhov, Pasternak, and Solzhenitzyn.

3 semester hours

Hi 140 The Communist Orbit

The course will concentrate on the internal developments within the "Iron Curtain" bloc and their relations with the Soviet Union since 1945. The clash between Marxist

ideology and traditional values and institutions will be studied in relation to the Stalinist period, the Krushchevian thaw, and the post-Krushchev era. Readings from Marxist and non-Marxist authors.

3 semester hours

Hi 151 Colonial America

A study of the foundations of American civilization. The course commences with a brief survey of the indigenous Indian cultures and an examination of the character of the Indian-white relations. The colonial systems of Spain, France, and England are compared briefly. The course stresses the development of Anglo-American institutions with special emphasis on the influence of the Puritan legacy. An exploration of the origin and development of white attitudes toward the blacks is included.

3 semester hours

Hi 152 Era of the American Revolution

An examination of the coming of the American Revolution and the transition from colonial to national status. The Confederation period, the forming of the Constitution and the Federalist era. Emphasis on the emergence of a national culture.

3 semester hours

Hi 153 Jeffersonian and Jacksonian America, 1800-1848

Jeffersonian Republicanism and Jacksonian Democracy. A study of the political, social, economic, cultural and intellectual developments in this era of expansion and democratization. The Jeffersonian and Jacksonian contributions to the emerging American character will be assessed.

3 semester hours

Hi 154 Civil War and Reconstruction

The course will begin with an examination of American expansion in the 1830s and 1840s and concludes with a study of the effects of reconstruction. Included in the general analysis will be the development of Northern economic and social institutions; an evaluation of the ante-bellum South and the effects of slavery; the politics of crisis and sectional interests; the anti-slavery movement; the emergence of Lincoln; secession and war.

3 semester hours

Hi 155 The Emergence of Urban-Industrial America, 1860-1900

A course oriented to understanding the massive changes in the economic, political and social life of the United States, which occurred during the brief four decades span that begins with the Civil War and concludes with American overseas expansion in the closing years of the nineteenth century. Of prime concern are the factors that produced the transformation of the American nation from an "agrarian republic" into an "industrial-urban society."

3 semester hours

Hi 156 Early Twentieth Century America, 1900-1933

A study of the sources and theories of reform attempted during the first third of the twentieth century to revitalize political and economic democracy in the United States. The application of domestic reforms that produced continued changes in American social life and the emergence of the United States as a leader among the major world powers are considered under the following topics: the Progressive movement; New Nationalism vis-a-vis New Freedoms; Wilsonian idealism and American involvement in World War I; Republican resurgency of the 1920's and the Great Depression.

3 semester hours

Hi 157 Mid-Twentieth Century America, 1930-1960

In this course the nature and extent of the 1930's economic crisis and the New Deal that produced massive economic, political and social change in the United States are examined in depth. Major attention is given to American abandonment of isolation and

reassumption of leadership in the struggle against German and Japanese militarism, the unsuccessful attempt to establish world peace based on international collective security, the post-war communist challenge that resulted in the Cold War and the American counter response of a containment policy based on the Truman doctrine, the Marshall Plan, the "Korean police action", N.A.T.O. and the Dulles-Eisenhower doctrines. In addition the major changes in American domestic life, viz. the Fair Deal, Modern Republicanism of the 1950's and the Civil Rights movement are studied.

3 semester hours

Hi 161 American Constitution I

Origins of the American constitutional tradition. Revolutionary ideas in action. Jeffersonian republicanism and federal judicial power. The nationalism of the Marshall court. The Taney court and the expansion of business enterprise. Slavery and sectionalism. The Civil War and the Constitution.

3 semester hours

Hi 162 American Constitution II

Reconstruction. The Waite-Fuller court and the industrial revolution. Imperialism and the Constitution. Governmental efforts to restore competition. The police power and the Progressive Era. The tradition of national supremacy. A new era in civil liberties. The New Deal and the Old Supreme Court. Procedural safeguards and civil rights. The incorporation theory.

3 semester hours

Hi 163 American Intellectual History I

This study of American intellectual life begins with an examination of the Puritan Mind, the development of American political theory, a study of the Enlightenment and the age of revolution. Included in this evaluation will be the genesis of a cultual nationalism; intellectual origins of economic theories, the dynamics of democratic thought of the 19th Century, the dialectics concerning the nature of the Union.

3 semester hours

Hi 164 American Intellectual History II

The evolution of American thought patterns, from the end of the Civil War to the present; an evaluation of the impact of social Darwinism; the triumph of Laissez-Faire in the postwar era; Intellectualism and Science; Pragmatism, a retrospective analysis of the American Liberal Tradition; the growth of Conservative thought; the impact of Radicalism, Socialism on democratic institutions.

3 semester hours

Hi 165 American Diplomatic History I

History 165 narrates the struggles of the first 100 years. The labors of American diplomats during the Revolution. The making of peace. Early challenges — the problems of neutrality, the Jay Treaty, The Pinckney Treaty, XYZ Affair, the Louisiana Purchase. Involvement in War of 1812 and making of peace of Ghent. The diplomacy of Monroe and Adams and the Monroe Doctrine. Westward Expansion — the Adams-Onis Treaty, annexation of Texas, the Mexican War, the Oregon Question. U.S. interest in Cuba and Central America. The Diplomacy of the Civil War. William Seward and the Purchase of Alaska. The post-Civil War claims settlement with Britain.

3 semester hours

Hi 166 American Diplomatic History II

This course treats the emergence of the United States from its traditional non-involvement to World Power. It deals with the New Manifest Destiny and the influence of the Spanish-American War and Theodore Roosevelt in bringing the United States into world politics. Also investigated are the Open Door Policy, Taft's Dollar Diplomacy and Wilson's "Missionary Diplomacy". America's entrance into World War I and writings concerning it will be treated, as also will the rejection of Wilson's leadership and the Wilsonian League. The contributions of the Republican era — the Washington conference, the Kellogg-Briand pact, the Hoover approach to Latin America and the Hoover-Stimson Doctrine of Non-Recognition — will be assessed.

3 semester hours

Hi 167 American Diplomatic History III

History 167 studies the involvement of the U.S. in World War II and the subsequent problems as leader of the Western nations. Roosevelt's foreign policy and the coming of the war are treated along with writings of Revisionists and Anti-Revisionists of F.D.R.'s policies. War-time diplomacy will be treated with emphasis on the development of postwar problems and the coming of the Cold War. Revisionist writings on the Cold War will be treated along with some criticisms of them. Present day problems of the U.S. as a world leader — Castro in Cuba, war in Indo-China, Arab-Israeli conflict, Far Eastern and European alliance systems — will be studied in their origins and present state.

3 semester hours

Hi 169 History of American Political Parties I

This course is concerned with the development of the American political party system from the pre-party era of the infant Republic to the collapse of the national party system in 1860, contributing to the Civil War. Among the major topics examined in this course are the pre-party political institutions and structure in the United States; the emergence of a two-party system in American government precipitated by the Hamiltonian-Jeffersonian conflict of constitutional interpretation; the decline of the Federalist party and the rise of one-party National Government followed by the re-emergence of a new two-party system with the split in the Democratic-Republican party due to the rise of Jacksonian Democracy. The course concludes with an examination of the inability of the new Democratic and Whig Parties to solve the "slavery crisis" and function as national bonds of unity, thus contributing to the outbreak of Civil War.

3 semester hours

Hi 170 History of American Political Parties II

In this course the changing nature of the American political party system from the Civil War to mid-20th century is studied. Among the major party problems examined are: the attempts of the Young Republic Party to develop into a truly national party; the Democratic party's resurgence during the "era of Reconstruction"; the challenge and role of third parties in American political life during the last quarter of the 19th century and first quarter of the 20th century. In addition, the influence of "progressive reforms" on the national two-party system in the decades prior to World War II and the resurgence of the Republican party espousing a return to "conservative concepts" during the middle decades of the 20th century are examined.

3 semester hours

Hi 171 American Business History I

A survey oriented to understanding the historical development of American business institutions and practices from the establishment of English settlements in North America to mid-Nineteenth Century. It includes the development and use of the joint stock company by the English mercantile community in establishing North American colonies, the evaluation of a diversified colonial economic system based on mercantile capitalism the conflict of interest between the English and British colonial business communities as a factor causing the American Revolution, problems of the business community during the initial quarter century of American independence, concluding with a study of the effects of a "laissez-faire" federal policy upon the evolving banking, commercial, manufacturing and transport industries in pre-Civil War America. *3 semester hours*

Hi 172 American Business History II

A survey of the effects of the Civil War on the American business community, the role played by nation's expanding railway system in developing a national market, the massive expansion of the country's manufacturing plant and production, which stimulated the earliest attempts by businessmen to control production and competition, culminating in the development of Trusts and Finance Capitalism. In addition, the attempts to develop effective Federal regualtion of abuses by corporate business managements in the quarter century prior to World War I is studied. The course

concludes with a survey of the growth of Federal regulatory authority and the development of organized labor as counter vailing forces constraining the ever growing concentration of economic power held by giant corporate businesses during the two decades prior to 1950. *3 semester hours*

Hi 173 History of the South I

This study begins with the founding of the southern colonies and concludes with an evaluation of the antebellum South; included in the evaluation will be the cultural, political and economic basis for Southern regional consciousness; the social structure, the slave system; the Bourbon class; Southern politics and the sectional crisis.

3 semester hours

Hi 174 History of the South II

The New South, a continuing examination of the Southern mystique: from the Civil War through Reconstruction to the present; a study of Southern mores, literature, Faulkner, Warren, Welty, etc. The politics and persuasion of Hughey Long: TVA; problems of race, economy, class structure, segregation. *3 semester hours*

Hi 175 American Immigrant History

The United States considered as a mosaic, made of various immigrant groups, this study will deal separately with the ethnic problems of each group; the study involves the origins and character of immigration problems as a whole; the impact of immigration on American society such as government policy, the roots of nativism, assimiation; the debate over assimilative theories such as cultural plurality, melting pot, etc.

3 semester hours

Hi 176 The American Labor Movement

A survey course tracing the development of the organized labor movement in the United States from its feeble beginnings in the early 19th Century to a position of economic influence and power in the third quarter of the 20th Century. Commencing with the emergence of local craft unions, the course continues with an analysis of the effects of the rapid expansion of the "industrial revolution" upon the industrial wage earners' living standard in pre-Civil War America; followed by an examination of the conditions promoting growth of Industrial and Trade Unionism prior to 1900; the limits of organized labor due to vigorous opposition from giant industrial corporations and "manufacturers' associations" prior to World War I; decline of organized labor during the 1920s; the National Labor Relations Actand the massive expansion of the organized labor movement through World War II; concluding with an examination of the American labor movement in the post Taft-Hartley era. *3 semester hours*

Hi 177 The Frontier

A study of the American frontier, its heritage and influence on the development of American characteristics: political, social, cultural, economic. The study includes an analysis of the Turner thesis; a survey of sectional and regional evolution; New England, Middle Atlantic, and Southern; the Spanish borderlands, the Old Northwest; the Westward Movement: the Indian problem, mining, cattle, farming frontiers.

3 semester hours

Hi 178 American Negro History

This course will begin with a general survey of the historical evolution of the American Negro from slavery to freedom and conclude with an examination of the contemporary problems of civil rights. Included in the study will be an examination of modern Negro leadership; their institutions, an analysis of federal legislation and Supreme Court decisions; an evaluation of the historical and social implications of the Moynihan Report; Black power, etc.

3 semester hours

Hi 179 Changing Interpretations of the American Past

Readings, lectures and discussions dealing with the evolving historical literature on the American past with emphasis on selected and central problems of the AMERICAN EXPERIENCE. Issues of historical interpretation that relate to contemporary social and political problems will be stressed.

3 semester hours

Hi 181 Traditional East Asia

A study of the traditional civilization of China, Japan and Korea to c. 1800. Examines the traditional institutions of classical China (Han, Ch'in, T'ang and Sung) and their diffusion to Japan and Korea; the Mongol and Manchu as alien dynasties; the early Western contacts and the Tokugawa seclusion of Japan.

3 semester hours

Hi 182 Modern East Asia

A study of the transformation of traditional civilizations of East Asia since 1800. Topics include the impact of the West and the opening of China and Japan, Japan's Meiji reform and rise to a world power, imperialist rivalry in China and Nationalism and Communism in the twentieth century.

3 semester hours

Hi 183 Twentieth Century China

Traces the major developments since the Chinese Revolution of 1911. A major theme is the struggle between the Nationalists and Communists in China. Special emphasis on the political, economic and social changes under Communism since 1949. Topics include Communist diplomacy, the "Great Leap" forward, and the thoughts of Chairman Mao on the Great Proletarian Cultural Revolution.

3 semester hours

Hi 184 Modern Southeast Asia

A study of the formation of mainland southeast Asian cultures (Burma, Thailand, Cambodia, Laos and Vietnam) and an analysis of Chinese, Indian and Western influences on their development. Emphasis will be placed on the process of modernization in emerging nation states.

3 semester hours

Hi 191 Latin America I

Survey of the geography, the land and the people of the Latin American area. The Indian, Iberaian and African background. The Iberian in the New World — discovery and conquest. Spanish government in America: kings, viceroys and other important dignitaries. The Portuguese Empire in Brazil. The New World breaks with the Old. Wars of Independence. Latin America-United States relation. The Monroe Doctrine: Its origin, proclamation and development. The Interventionist Era. Pan Americanism and the Good Neighbor Policy. Conflict and change in the Postwar Era. The Organization of American States. The Social Revolution in the 1960's. The Alliance for Progress; Kennedy's Doctrine; Action for Progress; Nixon's Doctrine.

3 semester hours

Hi 192 Latin America II

Survey of Modern Latin America: Mexico and the Caribbean Area. Pre-Revolutionary Mexico: The "Stabilized" Revolution. Pre-Communist Cuba: Castro's Revolution — The Bay of Pigs and the Missile Crisis. The Dominican Republic before and after Trujillo. United States Military Intervention in 1965. The Central American Republic. Venezuela and Colombia. The Pacific Republics. Chile: The Revolution in liberty of the Christian Democrats and the Marxist victory of Salvador Allende in 1970. Peru and Ecuador. The Atlantic Republics. Argentina before and after Peron. Brazil: Getulio Vargas New State. The Second Republic since 1945 and the military in power. Uruguay, Paraguay and Bolivia.

3 semester hours

DEPARTMENT OF MATHEMATICS

Professor: Shaffer
Associate Professors: Bolger, Eiardi, Lang, Wong
Assistant Professors: Baglivo, Dennin, Fine (Chairman), MacDonnell, O'Neill, Scully

For the student of Arts, Business, and the Social Sciences, the department of Mathematics seeks to give training in basic and necessary skills, to bring out the cultural and applied values of mathematics, to show the dependence of other branches of knowledge on mathematics. Students who are majoring in mathematics and the natural sciences will be introduced to mathematical analysis and prepared through a sequence of courses for advanced work in their fields or for graduate work in mathematics.

Ma 9-10 Liberal Arts Mathematics

The basic philosophy behind this course lies in the tradition of a Liberal Arts education in which mathematics has always played an important part.

Emphasizes the impact of mathematics on our culture by presenting mathematics as an art rather than as a science. Discusses the influence of mathematical concepts on logic, philosophy and physics. Relates mathematics to other disciplines such as biology, economics and sociology. Presents brief biographical sketches of the great mathematicians. The aesthetic beauty of mathematics as a creation of the human mind is stressed. Hence calculation, techniques and manipulative skills play only a small role and therefore the student's background (or lack of it) in mathematics is of no consequence. *6 semester hours*

Ma 11 Mathematics for Business and the Social Sciences

Sets, Real number systems, relations, functions, graphs, systems of linear equations and inequalities, vectors and matrices, linear programming, includes solution by computer. *3 semester hours*

Ma 12 Mathematics for Business and the Social Sciences

Introduction to probability theory, elementary statistics, expectation, standard deviation, introduction to differential calculus, maxima and minima. *3 semester hours*

Ma 13 Calculus I: Biology and Psychology majors

Plane analytic geometry; foundations of the calculus; differentiation and integration of algebraic functions; applications. *3 semester hours*

Ma 14 Calculus II: Biology and Psychology majors

Differentiation and integration of trigonometric, logarithmic and exponential functions; techniques of integration; applications. *3 semester hours*

Ma 17 Calculus I: Chemistry, Engineering and Physics Majors

The Rate of Change of a Function; Limits, Derivatives of Algebraic Functions, Applications, Integration, Applications of the Definite Integral. *4 semester hours*

Ma 18 Calculus II: Chemistry, Engineering and Physics Majors

Transcendental Functions, Hyperbolic Functions, Methods of Integration, Plane Analytic Geometry, Polar Coordinates, Vectors and Parametric Equations.
4 semester hours

Ma 23 Calculus III: Chemistry, Engineering and Physics Majors
Linear Algebra: Vectors in n-Space, Vector Functions and their Derivatives, Partial Differentiation, Multiple Integrals. *3 semester hours*

Ma 24 Calculus IV: Chemistry, Engineering and Physics Majors
Vector Analysis, Infinite Series, Complex Numbers and Functions, Differential Equations. *3 semester hours*

MATHEMATICS MAJOR

Ma 15 Analysis I: Introduction to Real Analysis
Real numbers, plane analytic geometry and functions; limit, continuity and the derivative of functions; differentiation of algebraic functions; applications: maximum, minimum and inflection points, curve sketching and related rates. Polar coordinates; conic sections; translation and rotation of coordinate axes. *4 semester hours*

Ma 16 Analysis II: Introduction to Real Analysis
Rolle's theorem, mean value theorem and Cauchy's theorem; indeterminate forms; antidifferentiation; the definite integral, applications: area, volume, center of mass, work and pressure; Logarithmic, exponential, trigonometric and hyperbolic functions; techniques of integration. *4 semester hours*

Ma 21 Analysis III: Intermediate Real Analysis
Solid analytical geometry; vector analysis in two and three dimensions; elementary differential geometry. *3 semester hours*

Ma 22 Analysis IV: Intermediate Analysis
The theory of convergence: sequences and series of constants, sequences and series of functions, uniform convergence, power series and Fourier Series.
3 semester hours

Ma 100 Fundamental Concepts of Advanced Mathematics

Logic; sets; functions; equivalence relations and partitions; factor sets; mathematical induction; isomorphisms; number systems. *3 semester hours*

Ma 103 Analysis V: Advanced Real Analysis
Functions of several independent variables: techniques and theory of partial differentiation, implicit function theory, Jacobians and mappings; Multiple integration; theorems of Green, Gauss and Stokes in rectangular and vector form.
3 semester hours

Ma 105 Analysis VII: Real Variables
Metric spaces, topological concepts: open and closed sets, convergence, continuity and homeomorphisms, connected spaces, compact spaces and the Heine-Borel theorem, complete spaces, theorems of Cantor and Baire, isometry and compietion, Banach fixed point theorem, the Weierstrass approximation theorem. *3 semester hours*

Ma 106 Number Theory
A study of the integers including but not limited to the following topics: primes and their distribution, divisibility and congruences, Quadratic Reciprocity, special numerical functions such as Euler's ϕ-function, Diophantine equations. The influence number theory has had on the development of algebra and the interplay between the two will be considered. *3 semester hours*

Ma 107 Geometry - Euclidean and Non-Euclidean

Sophisticated review of Euclidean Geometry; the History of Euclid's Fifth Axiom on parallel lines; the Non-Euclidean Geometry of Lobatchewski; Poincare's Models of Lobatchewskian Geometry; Influence of Non-Euclidean Geometry on Mathematics, Logic, Physics, and Philosophy. *3 semester hours*

Ma 110 Elementary Differential Equations

Solutions of first order, second order, n-th order differential equations; numerical approximations; power series solutions; applications. *3 semester hours*

Ma 111 Ordinary Differential Equations and Stability Theory

Solution of linear and nonlinear equations. Stability of solutions. Equal stress given to applications and techniques. Series solution of equations near regular and singular points. Orthogonal Functions. Expansion of functions in Fourier, Fourier-Legendre, Fourier-Bessel series. *3 semester hours*

Ma 112 Partial Differential Equations and Boundary Value Problems

Classical theory of Heat, Wave and Potential Equations in one, two and three dimensions. Mathematical formulations of physical problems, solutions in appropriate co-ordinate systems; physical interpretation of mathematical solutions (computer orientated). *3 semester hours*

Ma 131 Abstract Algebra

Group theory and the Sylow Theorems; rings and ideals, integral domains, fields; vector spaces; algebras. *3 semester hours*

Ma 132 Linear Algebra

Linear spaces and subspaces; linear independence and dependence; bases and dimension; linear operators; matrix theory; determinants and systems of linear equations; canonical forms; Eigenvalues and Eigenvectors; inner product spaces. *3 semester hours*

Ma 133 Special Functions of Mathematical Physics

The Gamma, Beta, Bessel, Neumann and Hankel functions; Legendre polynomials; spherical harmonics; Green's function. *3 semester hours*

Ma 151 Probability Theory

Counting techniques, axiomatic probability theory. Discrete and continuous sample spaces. Random variables, distribution functions, probability density and mass functions. Normal, Binomial and Poisson distributions. Limit laws. *3 semester hours*

Ma 152 Probability and Statistics II

Joint distribution and continuous distributions. The binomial distribution. Statistical application of probability. Theory of sampling. Variances of sums and averages. Least squares, curve-fitting, and regression. *3 semester hours*

Ma 170 Point Set Topology

Topological spaces, continuous functions; product, metric, quotient spaces; countability and separation axioms; existence and extension of continuous functions; compactification; metrization theorems, complete metric spaces. *3 semester hours*

Ma 171 Complex Variables

Algebra of complex numbers, analytic functions, integration in the complex plane, Cauchy's theorem and integral formula, conformal mapping, residue theory, applications. *3 semester hours*

Ma 172 Manifolds

Differential mappings; implicit function theorem; differential forms and integration over manifolds; Stokes theorem; selected other topics. *3 semester hours*

Ma 180 Introduction to Computer Science and Numerical Analysis I

Digital computers are discussed and a remote terminal language APL is used. Numerical solutions of non-linear equations and systems of linear equations are obtained on a computer. Numerical Differentiation & Integration. *3 semester hours*

Ma 181 Introduction to Computer Science and Numerical Analysis II

Fortran language, numerical solution of ordinary differential equations, error and stability analysis, boundary value problems, numerical solution of partial differential equations. *3 semester hours*

Ma 190-191 Honors Seminar

Participation is by invitation only and is open to those junior and senior mathematics majors with demonstrated ability who have been recommended by the mathematics faculty. The purpose of this Seminar is to provide the talented student with an opportunity to obtain experience in doing individualized study and research in current mathematical journals, under faculty direction. The participant is expected to present several reports on his findings before a group of the student's peers. The subject matter content of the seminar varies from year to year.

DEPARTMENT OF MODERN LANGUAGES

Professors: Bukvic, Fedorchek, Leeber (Chairman), McDonald, Panico
Associate Professors: Bejel, Guarcello
Assistant Professors: Czamanski, Kolakowski, Stabile, Velazquez, Webster
Lecturers: Eliasoph, Y., Fabbri, Rosenberg, Rallo

Courses are offered in French, German, Italian, Portugese, Russian and Spanish. By combining the best of traditional methods with the latest techniques, the department aims at imparting a progressive proficiency in these same languages for careers in teaching, diplomatic service, research and business. Special emphasis is placed upon the teaching of literature and culture.

Majors will ordinarily elect twenty-four upper-division credits beyond the advanced courses (31, 32) which include: an advanced course in composition and conversation, four semester courses in literature, a course in culture and civilization. The study of a second language is a recommended part of the Major Program and usually begins in the Sophomore Year.

I. FRENCH

Fr 11-12 Basic French

The purpose of this course is to teach the students not only to read French but also to pronounce correctly, to understand, to speak and to write French.

Three classes and one laboratory period per week per semester

6 semester hours

Fr 21-22 Intermediate French

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the French people and their typical culture.

Three classes and one laboratory period per week for 2 semesters

6 semester hours

Fr 31-32 Advanced French

The aim of this course is to introduce the student to the major works of literature. Emphasis will be placed on the literary and cultural significance of the texts. A primary goal will be to increase the student's reading ability through intensive analysis.

Three classes and one laboratory period each week for 2 semesters.

6 semester hours

Fr 101-102 Survey of French Literature

This course presents a general view of French Literature from its origins to the present day. Emphasis is placed upon the more important writers and the major literary periods. Conducted in French.

Prerequisite: Fr. 31-32 or its equivalent. *6 semester hours*

Fr 121 Sixteenth Century Literature

A study of the major writers of the Renaissance period: Rabelais, Du Bellay, Ronsard, Montaigne, and others. Frequent oral and written reports; conducted in French.

Prerequisite: Fr. 21-22, or its equivalent. *3 semester hours*

Fr 131 Seventeenth Century Classical Theatre

This course is devoted to an examination of the plays of Corneille, Moliere, and Racine. Stress is placed on both the revelation of 17th century classical principles and the modern relevance of the plays. Conducted in French.

Prerequisite: Fr. 21-22, or its equivalent. *3 semester hours*

Fr 132 Seventeenth Century French Literature

A study of the major authors (exclusive of the dramatists) and their main works: Malherbe, Descartes, Pascal, La Fontaine, Bossuet, Boileau, La Bruyère, and others. Conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 138 Eighteenth Century Literature

Reading and discussion of works by Voltaire, Marivaux, Diderot, Rousseau, Beaumarchais, and others. Frequent papers required; emphasis on class discussion and student participation. Conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 141 Poetry and Drama of the Nineteenth Century

The emphasis will be heavily on the poetry of the 19th century, from Romanticism through Symbolism and including Baudelaire and the Parnassian poets. Study of the development of Romantic poetry and how it influenced Symbolism; examination of how the poetry has influenced modern literature. Conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 142 Novel of the Nineteenth Century

This course treats the important novelists of the 19th century: Balzac, Stendhal, Flaubert, Zola, and others. Frequent critical papers required; conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 152 The Modern French Novel

Reading and discussion of important modern novelists: Proust, Gide, Mauriac, Bernanos, Giono, and others. The film version of each novel will be screened and will serve as the basis of class discussion. Short critical papers required; conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 153 Existentialist Literature

This course will deal with the works of Malraux, Sartre, Camus, Simone de Beauvoir, and others. It will treat the existentialist view of man and the world as it emerges from novels, plays, and essays. Frequent reports plus critical papers required; conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 155 The Modern French Theatre

An examination of the major dramatists of this century: Claudel, Giraudoux, Anouilh, Montherlant, Sartre, Beckett, Ionesco, etc. Consideration of younger playwrights (Arrabal, Vian, and others). Conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 181 French Conversation and Phonetics

The goal of this course is to develop and improve the student's conversational ability. This is accomplished through class discussion which involves a variety of current topics. Increasing of vocabulary is stressed; the phonetic alphabet is introduced for the improvement of pronunciation. Conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 182 French Stylistics and Composition

This course is intended to assure proficiency in the written language. Model passages from major writers are studied, analyzed and imitated with a view toward developing the student's own accurate and precise style.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 185 Advanced Grammar and Composition

A review of grammar on the advanced level with the aim of improving written composition and introducing the student to the elements of French style and composition.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 186 Advanced Conversation

This course concerns itself with the development of the student's ability to express himself on everyday topics and current issues. It seeks to develop a greater awareness of the idiomatic usages and general structures of the French language. Conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 187 Practical Oral and Written French (Advanced)

This course treats everyday practical aspects of French, such as commercial letter-writing, business terminology, etc. Drill in practical and commercial conversation; course oriented to meet the career interests of students. Conducted in French.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 189-190 Aspects of France

An examination of France and the French people in a social and historical perspective. Discussion of a wide variety of topics; oral and written reports required. Emphasis placed development of the student's ability to speak and write correct French. Conducted in French.

Prerequisite: French 21-22, or its equivalent. *6 semester hours*

Fr 192 French Civilization and Culture

The main currents of French civilization are presented by means of lectures and by student reports and papers. The geography, history, literature and fine arts of France are studied as a basis for class discussion.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 196 La Press Contemporaine

Reading and discussion of articles from representative French newspapers and periodicals. All aspects of modern French life are considered: politics, religion, education, the economy, the arts, etc. Frequent oral and written reports; conducted in French. Emphasis on student participation in class.

Prerequisite: French 21-22, or its equivalent. *3 semester hours*

Fr 197-198 Coordinating Seminar

Readings and studies in a specialized area of French, under the direction of a staff member. Designed to fill the special needs of specific students; given at the discretion of the Dept. Chairman.

Hours by arrangement. *6 semester hours*

Fr 197.1 Seminar in Pre-Practice Teaching

A course in special methods of teaching modern languages. Consisting of some lecturers who are master teachers, practice in writing lesson plans which make use of actual textbooks of the various high schools where the seniors will be practice-teaching. Also includes an intensive review of grammar combined with suggested aids involving creativity in the language classroom. *3 semester hours*

II. GERMAN

Gm 11-12 Basic German

The purpose of this course is to teach the students not only to read German but also to pronounce correctly, to understand, to speak and to write German.

Three classes and one laboratory period per week per semester.

6 semester hours

Gm 21-22 Intermediate German

In this course the principles of pronunciation and grammar are reviewed as needed for compostion work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the German people and their typical culture.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

Gm 23-24 Readings in Scientific and Cultural German

This course is designed not only for Science majors but also for those students of German needing a broad coherent picture of the development of German culture and civilization.

Prerequisite: Gm 11-12 or at least two years of high school German.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

Gm 31-32 Advanced German

The aim of this course is to introduce the student to the major works of literature. Emphasis will be placed on the literary and cultural significance of the texts. a primary goal will be to increase the students' reading ability through intensive analysis.

Three classes and one laboratory period each week for 2 semesters.

6 semester hours

Gm 101-102 Survey of German Literature

A study of the development of German literature from 800 to the present. Selected readings within the framework of the cultural historical development of German literature.

101. The Nibelungenlied, Parzival, the Minnesänger, Martin Luther, Baroque Poetry and Lessing.

102. Storm and Stress, Weimar, the Romantic movement, literary movements of the XIX and XX Century and the readings in major works of contemporary literature.

6 semester hours

Gm 131 XVIII Century German Literature

The development of German literature from the "Sturm und Drang" movement, through the classic period of Goethe and Schiller, Henrich von Kleist, analysis of the Romantic literary theory (Eichendorff, Novalis, Hoffmann). *3 semester hours*

Gm 133 Goethe's Faust

A philosophical, psychological and literary investigation of Goethe's Faust.

3 semester hours

Gm 141 The German "Novelle"

Discussion and analysis of the form and development of the "Novelle" from Goethe to the present. *3 semester hours*

Gm 151 German Bildungsroman

Discussion and analysis of the changing influence of culture and society in the Bildungsroman from Parzival to the Blechtrommel. *3 semester hours*

Gm 161 XIX Century German Literature

German Prose and Drama between 1830 and the turn of the century. Junges Deutschland, Biedermaier, Poetic Realism and Naturalism. Selected works of Büchner, Stifter, Keller, Meyer, Hebbel, Fontane and Hauptmann. *3 semester hours*

Gm 171 XX Century German Literature

A critical study of the intellectual ferment and aesthetic revaluation around the turn of the century concluding with the National Socialism. Readings and analysis of the most important writers of this time. Wedekind, Kaiser, Kafka, Rilke, Thomas Mann, Hofmannsthal, Musil, Broch, Brecht. *3 semester hours*

Gm 173 German Literature after 1945

A critical survey of formal and thematic trends in contemporary German literature. Readings in representative works of Böll, Grass, Frisch, Dürrenmatt, Hildesheimer, Walser, Seghers, Handke, etc. *3 semester hours*

Gm 181 German Conversation

This course is intended to assure fluent and accurate use of the spoken language. Correct pronunciation reviewed and drilled through phonetic transcriptions and the imitation of recorded artists.

Prerequisite: Gm 31-32 or its equivalent.

Required for German Majors. *3 semester hours*

Gm 182 German Stylistics and Advanced Composition

This course is intended to assure proficiency in the written language. Model passages from the great writers studied, analyzed and imitated with a view toward developing the student's own accurate and precise style.

Prerequisite: Gm 31-32 or its equivalent.

Required for German Majors. *3 semester hours*

Gm 185 · Style and Composition

A review of grammar on the advanced level with the aim of improving written composition and introducing the student to elements of German style and composition.

3 semester hours

Gm 192 German Civilization and Culture

The main currents of German civilization are presented by means of lectures and student participation in written and oral reports. The geography, history, literature and fine arts of Germany are scanned and studied as a basis for class discussions. Conducted in German.

Prerequisite: Gm 31-32 or its equivalent. *3 semester hours*

Gm 197-198 Coordinating Seminar

Required of seniors concentrating in German. Readings and studies in a specialized area of German, under the direction of a staff member, designed to fill the special needs of specific students, at the discretion of the Department Chairman.

Hours by arrangement. *6 semester hours*

Gm 197.1 Seminar in Pre-Practice Teaching

A course in special methods of teaching modern languages. Consisting of some lecturers who are master teachers, practice in writing lesson plans which make use of actual textbooks of the various high schools where the seniors will be practice-teaching. Also includes an intensive review of grammar combined with suggested aids involving creativity in the language classroom. *3 semester hours*

III. ITALIAN

It 11-12 Basic Italian

The purpose of this course is to teach the students not only to read Italian but also to pronounce correctly, to understand, to speak and to write simple Italian.

Three classes and one laboratory period per week per semester *6 semester hours*

It 21-22 Intermediate Italian

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the Italian people and their typical culture.

Three lectures and one laboratory period per week for 2 semesters.

6 semester hours

It 31-32 Masterworks of Italian Literature

The aim of this course is to increase the student's reading ability by introducing him to the masterworks of Italian Literature especially the "Divine Comedy" of Dante. Intensive reading is done in class for comprehension, analysis, criticism and discussion.

Three classes and one laboratory period per week for two semesters.

6 semester hours

IV. RUSSIAN

Ru 11-12 Basic Russian

The purpose of this course is to teach the students not only to read Russian but also to pronounce correctly, to understand, to speak and to write simple Russian.

Three classes and one laboratory period per week per semester.

6 semester hours

Ru 21-22 Intermediate Russian

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the Russian people and their typical culture.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

Ru 31-32 Masterworks of Russian Literature

The aim of this course is to increase the student's reading ability by introducing him to the masterworks of Russian Literature. Intensive reading is done in class for comprehension, analysis, criticism and discussion.

Three classes and one laboratory period per week for two semesters.

6 semester hours

Ru 101-102 Survey of Russian Literature

A general view of Russian Literature from its origins to the present day. Emphasis is placed upon the major literary periods and the more important authors.

Prerequisite: Ru 31-32 or its equivalent. *6 semester hours*

Ru 192 Russian Civilization and Culture

The main currents of Russian civilization are presented by means of lectures and student participation in written and oral reports. The geography, history, fine arts of Russia are scanned and studied as a basis for class discussions.

Prerequisite: Ru 31-32 or its equivalent. *3 semester hours*

Ru 195 Russian Literature in English Translation (Tolstoy)

Introduction to Leo Tolstoy's life and some of his most important works.

3 semester hours

Ru 196 Russian Literature in English Translation (Dostoyevsky)

Introduction to Fyodor Dostoyevsky's life and some of his most important works.

3 semester hours

V. SPANISH

A student wishing to Major in Spanish may elect upper division courses which concentrate either in the literature, culture and civilization of SPAIN or that of SPANISH AMERICA.

The Spanish American Area Program is conceived to provide a comprehensive historical and intellectual approach to a better understanding of Spanish American nations through an interdisciplinary course of study.

Sp 11-12 Basic Spanish

The purpose of this course is to teach the student not only to read Spanish but also to pronounce correctly, to understand, to speak and to write Spanish.

Three classes and one laboratory period per week per semester

6 semester hours

Sp 21-22 Intermediate Spanish

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the Spanish people and their typical culture.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

Sp 31-32 Advanced Spanish

An advanced language course stressing composition, conversation and review of troublesome points of syntax. Reading and study of selected works of Spanish and Spanish American authors. Emphasis on training and development of skills required in literary analysis.

Three classes and laboratory period each week for 2 semesters.

6 semester hours

Sp 101-102 Survey of Spanish Literature

This course presents a general view of Spanish Literature from its origin to the present day. Emphasis is placed upon the more important writers and the major literary periods. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent. *6 semester hours*

Sp 111-112 Survey of Spanish American Literature

Reading and critical analysis of the more important writers. Special emphasis on literary currents in Spanish America and their relationship to socio-historic and aesthetic reality.

Prerequisite: Sp 31-32 or its equivalent. *6 semester hours*

Sp 116 Gauchismo

The Gaucho as theme and motif in diverse genres of the literature of the River Platte region.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 117 Indianismo

The Indian as principal theme and motif in diverse genres of Spanish American Literature.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 118 Spanish American Essay

A study of the socio-political contents and aesthetic qualities of representative works from the Colonial to the Contemporary period.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 119 Spanish American Drama and Short Prose Fiction

Representative dramas and/or short stories from the period of Independence to the present.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 131-132 Spanish Literature of the Siglo de Oro

A study of the more important writers of the Late Renaissance and the Baroque Period in Spain. Special emphasis placed on the drama and lyric poetry. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent. *6 semester hours*

Sp 141-142 Nineteenth Century Literature

Reading and analysis of the most significant writers and genres of the Romantic Movement in Spain. Realism and Naturalism in Spain. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent. *6 semester hours*

Sp 145 Spanish American Novel I

Romanticism, Realism and Naturalism in the novel of the nineteenth century.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 146 Spanish American Novel II

Salient works from Modernism to the Contemporary period.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 148 Spanish American Poetry

Analytical study of selected authors whose works are demonstrative of literary curents in evidence from the Colonial period to the present.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 151 Masters of the Spanish Novel

A study of the novel from the time of Cervantes to the present day, with emphasis on the picaresque novel, the realistic and regional novels of the Nineteenth century. Special attention given to the "Quixote" of Cervantes. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 153 The Picaresque Novel

In a genre peculiarly Spanish the decadent lower class society of the Golden Age is portrayed through roguish adventures of its principle "heroes". Conducted in Spanish.

Prerequisite: Sp. 31-32 or its equivalent. *3 semester hours*

Sp 171-172 Modern Spanish Literature

A study of the most representative writers of the Generation of '98 (Fall); readings and lectures with class discussions of the contemporary poets, novelists and dramatists (Spring). Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent. *6 semester hours*

Sp 181 Spanish Conversation and Composition

This course is intended to assure fluent and accurate use of the spoken and written language. Correct pronunciation reviewed and drilled through phonetic transcriptions and the imitation of recorded artists.

Prerequisite: Sp 31-32 or its equivalent.

Required course for Spanish Majors. *3 semester hours*

Sp 182 Spanish Stylistics and Composition

This course is intended to improve the student's proficiency in the written language. The objectives are twofold: 1) To provide opportunity for intensive practice in accurate use of vocabulary, grammar and syntax . . . . 2) Model passages selected from the best contemporary writers will be analyzed and imitated with a view toward developing the student's own accurate and precise style. *3 semester hours*

Sp 185 Progress in Written Spanish

This course is intended primarily for non-Spanish majors who wish to continue their work in written expression and master a skill that would be an asset in numerous careers. It attempts to help the student develop a sure grasp of Spanish syntax and native locution through the writing of articles, essays, letters, etc.

Prerequisite: Sp. 21-22 *3 semester hours*

Sp 186 Career-Oriented Conversational Spanish

This course is intended primarily for non-Spanish majors who wish to develop a degree of proficiency in conversational Spanish related to diverse careers. It attempts to provide students with necessary lexicon and structure related to areas such as Business, Medicine, etc. The class room ambience is one of group situational reinforcement.

Prerequisite: Sp. 21-22 *3 semester hours*

Sp 187 Practical Applied Linguistics

A study of the differences between Spanish and English, and of the major difficultites in Spanish which confront the native English speaker. Although the course is broad in scope, the work ranges from the basics of pronunciation, lexicology, and comparative structure to rules of current usage. Particular attention will be given to such points of interference as the subjunctive, the verbal system, ser and estar, and others.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 191-192 Hispanic Civilization and Culture

The main currents of Spanish civilization are presented by means of lectures and student participation in written and oral reports. The geography, history, literature and fine arts of Spain and Latin America are scanned and studied as a basis for class discussions. Conducted in Spanish.

Prerequisite: Sp 31-32 or its equivalent. *6 semester hours*

Sp 193 Spanish American Civilization

A study of the cultural heritage of Spanish America: Pre-Columbian, Hispanic and other European influences.

Prerequisite: Sp 31-32 or its equivalent. *3 semester hours*

Sp 194 Aspects of the Spanish Speaking World

The focus of this course is on selected parameters of contemporary culture which reflect the typical life-styles, customs and value systems of the Spanish-speaking people and their unique psychology. The principle emphasis will be on development of the student's ability to speak correct Spanish and especially on enlarging his vocabulary. This course should prove valuable not only to Spanish Majors but to all students interested in International Business, Medicine, Political Science, Psychology, etc.

Prerequisite: Sp 21-22 or its equivalent. *3 semester hours*

Sp 197-198 Coordinating Seminar

Required of seniors concentrating in Spanish. Readings and studies in a specialized area of Spanish, under the direction of a staff member, designed to fill the special needs of specific students, at the discretion of the Department Chairman.

Hours by arrangement. *6 semester hours*

Sp 197.1 Seminar in Pre-Practice Teaching

A course in special methods of teaching modern languages. Consisting of some lecturers who are master teachers, practice in writing lesson plans which make use of actual textbooks of the various high schools where the seniors will be practice-teaching. Also includes an intensive review of grammar combined with suggested aids involving creativity in the language classroom. *3 semester hours*

VI. PORTUGUESE

Pg 11-12 Basic Portuguese

The purpose of this course is to teach the student not only to read Portuguese but also to pronounce correctly, to understand, to speak and to write Portuguese.

Three classes and one laboratory period per week per semester.

6 semester hours

Pg 21-22 Intermediate Portuguese

In this course the principles of pronunciation and grammar are reviewed as needed for composition work and conversation both in the classroom and in the language laboratory. Literary selections are read not only for their aesthetic value but also because they reflect and illustrate characteristic traits of the Luso-Brazilian peoples and their typical culture.

Three classes and one laboratory period per week for 2 semesters.

6 semester hours

ML 167-168 Selected French Novels in English Translation

A study of the French novel from the approach of French sociological conditions, historical period, French psychology and philosophical concepts as found in the works of Master French novelists. An in-depth analysis of the novels of Balzac, Stendahl, Zola, Flaubert, George Sand, Proust, Gide, Mauriac, Sartre, Camus, Le Clézio, Simone de Beauvoir and highlighting biographical insights stemming from these works.

6 semester hours

Ml 169 The Realist Novel of Nineteenth-Century Western Europe in English Translation

The focus of this course is the study of realism in the novel as an approach to the individual and society. Emphasis is placed on close textual analysis to achieve comprehension of the work as well as the technique. Countries represented are France, Russia, Spain, Germany and Portugual. *3 semester hours*

Ml 179 The Search for Self-Knowledge: Aspects of the Modern Psychological Novel

The course will study major works of fiction in Europe and Latin America: Dostoevsky, Kafka, Sartre, Camus and others. Emphasis will be placed on the forms and evolution of individual self-awareness, the problem of self-consciousness, the relationship between the self and the world.

Taught by various members of the department. Conducted in English with English translations. Not for language major credit. *3 semester hours*

ML 189 Contemporary East-European Literature in Translation

The course will study politically characteristic works in Russian, Polish, Czechoslovak, Yugoslav, Hungarian and East German Literature. Emphasis will be placed on the political and social aspects. *3 semester hours*

ML 193 Introduction to Literary Interpretation

Introduction to the basic techniques of understanding and interpreting literature: a systematic study of various theoretical approaches, traditional and current concepts of criticism, and literary evaluation, based on close reading and analysis of representative texts from the lyric, dramatic and narrative genres. Training in stylistics and in the tools of literary research (reference works, critical terminology, and bibliography). Conducted in English, with texts in French, Spanish or German.

3 semester hours

SCHOOL OF NURSING

Dean: Porter
Assistant Professors: Crutchlow, Dudac, Fleitas, Hudson, Kalnins, MacAvoy, Mohr, Obrig, Pomarico, Shamansky, Sideleau, Simonet

The curriculum of The School of Nursing provides the student with the educational experiences whereby she can gain a strong base in the liberal arts and sciences as well as theory and practice in nursing. The program is designed to foster the students' personal and professional growth that is necessary for a committed and compassionate practitioner of nursing capable of providing professional nursing care to people with nursing needs in whatever setting they may be encountered. Students must meet prerequisite and co-requisite policies established by the School of Nursing.

Nu 11 Introduction to Nursing
An introductory course designed to give the beginning student an opportunity to become aware of the forces influencing the development and practice of nursing. Nursing 11 explores nursing as a profession and the health care delivery system. Personal professional responsibility are emphasized throughout the course. *2 semester hours*

Nu 12 Introduction to Nursing
An introductory course designed to give the beginning student an opportunity to become aware of and practice skills basic to the practice of professional nursing. Nursing 12 explores the roles and practices of professional nursing in the health care delivery system.

2 semester hours

Nu 21-22 Nursing in Health I & II
identification of basic human needs and rights throughout the life continuum. Exploration of the interaction between man and environment and of factors effecting health and health care. Experiential learning focused on health of people of all ages.
2 lectures, 2 clinical laboratory periods *8 semester hours*

Nu 31-32 Nursing Management I & II
Nursing therapies as directed toward effecting change in individuals of all ages and families who have had some degree of interference with homeodynamic and homeokinetic states. Related experience in a variety of health care facilities.
2 lectures, 3 clinical laboratory periods *10 semester hours*

Nu 33-34 Medical Management I & II
Medical management of conditions which interfere with homeokinetic processes in individuals of all ages.
2 lectures *4 semester hours*

Nu 41 Nursing Management III

Nursing Management III focuses on clients of all ages experiencing multidimensional nursing problems. A series of case studies reflecting major health problems will be utilized as a vehicle for student application of the nursing process in both episodic and distributive situations. *4 semester hours*

Nu 42 Nursing Management IV

Focuses upon the collaborative role of the nurse and upon the problems related to the transition from student to new graduate. Practicum will be in a setting chosen by the student within the limitations imposed by faculty and clinical resources.

3 semester hours

Nu 43 Advanced Clinical Concepts in Nursing

This course examines multidimensional health concerns and levels of prevention within the health care system. Specific aberrations of health will be examined according to the nursing process and discussed in terms of their physical, cognitive, affective and societal implications. Theories related to conflict and change will be included.

6 semester hours

Nu 44 Multidimensional Nursing Problems

This course focuses on clients of all ages experiencing multidimensional nursing problems. A series of case studies reflecting major health problems will be utilized as a vehicle for student application of the nursing process in both episodic and distributive situations. *3 semester hours*

Nu 45 Theories of Change

Examines the theories of change applicable to self, individuals, families, groups and systems. Explores planned change; the social processes involved; the influential forces which help or hinder; the consequences both ethical and pragmatic; as well as its limitations. *3 semester hours*

Nu 47 Practicum in Nursing Management

The Nu 47 Practicum in Nursing Management is a clinical course that challenges students to incorporate all previous and concurrent learnings to provide nursing care to clients, families, and groups in a variety of settings. Clinical resources will include the laboratory, the hospital and the community. In the laboratory, students will practice physical assessment skills designed to increase their ability to systematically collect, present and evaluate data related to the physiological health of clients. In the hospital, students will work together to provide systematic and efficient care to groups of clients and families. In the community, students will work in groups to assess the health needs of designated "at risk" populations. *3 semester hours*

Nu 48 Research in Nursing

Introduction to formal methods of research, and its application in nursing. Student has the opportunity to design a study of a nursing problem which has been identified as a result of her clinical learning experiences. Implementing the research design will be optional and will carry additional credits.

1 lecture, 1 clinical laboratory period *2 semester hours*

Nu 49 Practicum In Change

Opportunity is provided to examine experientially, planned change and to begin to adapt and apply these theories of social and personal dynamics to clinical situations which focus on social and emotional dysfunction. *3 semester hours*

DEPARTMENT OF PHILOSOPHY

Professors: Grassi (Chairman), Grossman
Associate Professors: Dykeman, Johnston, Long, Myers, Newton, L., Tong
Assistant Professors: Cardoni, Carr, Coleman
Lecturer: Spinello

Philosophy is a quest for truth, for ultimate values. The objective of our program, then, is to develop in the student a philosophic habit of mind by which he seeks to discover thses values. We feel that the quest and the values are interdependent; the mind feeds on value but values do not submit themselves except through critical evaluation of one's experience. Although there is no one prescribed methodology by which this critical attitude is developed, the emphasis in our program is placed on a blend of the thematic and the historical. Only in the light of their evolution and cultural context can values be thoroughly understood.

Philosophy is delimited and defined today by three major schools: analytic philosophy, existentialism and phenomenology, and speculative or traditional philosophy. Each tradition is represented in Fairfield University's philosophy program. This variety of perspectives gives a broad outlook to the student. The rigor of the program develops confidence and skill within the student.

Course Requirements for Philosophy Majors

1. The three core courses—Ancient, Medieval, Modern-Contemporary.
2. Two courses, each an intensive study of a major philosopher such as Plato, Aristotle, Augustine, Kant, Aquinas, Dewey, etc. In these courses, special emphasis will be placed on the use of primary sources.
3. A course considering the elements of traditional and modern Logic.

The Core Program in Philosophy

It is the judgment of the Department that the best introduction to philosophy for the undergraduate is a study of the three major periods of Western thought—namely, the classical, the medieval and the modern. Reflected here, moreover, is a division that is more than chronological; the three courses represent markedly different approaches to the philosophic enterprise, each of which demands detailed and careful treatment. An acquaintance with dominant themes of each of these periods is felt to be fundamental for advanced study in any field and for a liberal education in general. Such a program, finally, accords with the special identity of Fairfield University, its tradition and values.

Ph 11 Ancient Philosophy

This course is a study of ancient philosophers, notably Plato and Aristotle. It is intended to acquaint the student with the origin and nature of philosophy as it arises in the classical period; it considers such issues as appearance and reality, the philosopher and the city, law and justice, love, and virtue and the good. *3 semester hours*

Ph 12 Medieval Philosophy

This course is designed to introduce the student to the evolving thought of the Middle Ages as represented in the writings of such thinkers as Augustine, Boethius, Anselm, Bonaventure, Aquinas and Ockham. Thematically the readings will focus on such perennial issues as the existence of God, the nature of man, the problem of evil, free will and the relationship between faith and reason. The course aims to foster a better understanding of the student's christian cultural heritage; as a part of the student's general introduction to philosophy, it serves as both a complement to the study of ancient philosophy and an introduction to modern and contemporary philosophy. *3 semester hours*

Ph 13 Modern Philosophy

This course serves to introduce the student to the philosophy and methods of philosophers from the 17th century to the present through a study of the writings of such philosophers as Bacon, Descartes, Hume, Kant, Nietzsche and James. The readings focus on issues in methodology, epistemology, metaphysics, and politics. The course attempts to synthesize the philosophical themes and topics of the other core courses and serves as the immediate introduction to contemporary philosophical problems.

3 semester hours

Ph 103 Logic

This course is designed to provide a basic acquaintance with prevailing systems and methods of logic, notably traditional (aristotelian) and modern (standard mathematical) logics. *3 semester hours*

Ph 107 Aesthetics

A study of aesthetic experience and an examination of concepts like imitation, expression and psychic distance; a consideration of the relationships among the various arts, and an exploration of the role of art in life. *3 semester hours*

Ph 109 Theories of Meaning

An examination and an inquiry into theories of meaning from Aristotle to Wittgenstein. *3 semester hours*

Ph 115 Metaphysics

This course concerns itself with being as being and our knowledge of being; its aim is to develop in the student's mind an operative habit of viewing reality in its ultimate context. *3 semester hours*

Ph 118 History of Medieval Philosophy

The development of philosophical problems from the Patristic period through Spanish Scholasticism of the 16th Century. *3 semester hours*

Ph 118.1 Late Medieval & Renaissance Philosophy

An examination of dominant philosophical themes in the writings of Duns Scotus, William of Ockham, Meister Eckhart and in texts representative of Renaissance Platonism, Skepticism and Mysticism. The thrust of the course will be to establish or refute the philosophic continuity of medieval and renaissance thought. *3 semester hours*

Ph 119 Aquinas

A critical study of selected texts from the "Summa theologiae", the "Summa contra Gentiles", and the "De ente et essentia". *3 semester hours*

Ph 121 The Pre-Socratic Philosophers

A study of the conceptions of philosophy and science to be found in the writings of the Milesians, Iliatic, Pythagorean and Atomist Schools of Philosophy.

3 semester hours

Ph 129 Philosophy of Education

An analysis of philosophical problems involving education. Special consideration will be given to contemporary movements in educational philosophy.

3 semester hours

Ph 130 Sartre and Heidegger

A critical examination of Sartre's "Being and Nothingness" and Heidegger's "Sein and Zeit". Such existential notions as "freedom, bad faith, nothingness; facticity, etc." will be examined. *3 semester hours*

Ph 131 Descartes
An investigation of major doctrines and themes of Cartesian thought and the dominant forms of Cartesian criticism. *3 semester hours*

Ph 132 Nietzsche and Kierkegaard
The course concentrates on the major writings and central insights of the two thinkers. It attempts, also, to determine and evaluate their contributions to the development of contemporary Existentialism and to current radical thinking about God and morality. *3 semester hours*

Ph 133 Introduction to Oriental Philosophy
A coherently developed account of the salient features of the two philosophical traditions of China and India as contrasted with each other and with the Western tradition. *3 semester hours*

Ph 133.1 The Chinese Tradition: A close study of the Philosophy of History and Culture
This course is an interdisciplinary study of Chinese culture as a living tradition as well as a historical reality. Using philosophy as the guiding and unifying factor, it attempts to present a general picture of China's cultural heritage through the changing contexts of Chinese history. *3 semester hours*

Ph 134 The Psychology and Philosophy of Karl Jaspers
This course is an inquiry into the situation of modern man. The inquiry will critically examine the scientific basis of psychology and its relation to the human and the spiritual condition of modern man. The basic question of the course is, "What form and content does philosophy have therefore for modern man and for mankind?"
3 semester hours

Ph 135 Leibnitz and Kant
A study of representative works of these two philosophers and their contribution toward an adequate grasp of nature and of man in the modern context.
3 semester hours

Ph 135.1 Kant
A critical examination of the writings of Kant, with special attention to his theory of knowledge and conclusions concerning metaphysics. *3 semester hours*

Ph 136 Plato
This course will be concerned with central ontological and epistemological themes in selected early, middle, and late Platonic dialogues. Particular attention will be given to Plato's inclination to identify virtue with knowledge. *3 semester hours*

Ph 137 Aristotle
An introduction to Aristotle thru seven of his works. An exploration of their relation to other works, their place in the scheme of the sciences and a thorough investigation of their subject matter. *3 semester hours*

Ph 137.1 Ancient Political Theory
An examination of the development of political theory in early Greek thought, its source and application in the political practice of the Greeks and Romans.
3 semester hours

Ph 138 Post-Aristotelian Philosophy
A study of the central teachings in the Stoic, Epicurean, and Skeptical schools of philosophical thought. *3 semester hours*

Ph 139 Augustine
A critical examination of several of the more representative and influential works in Augustinian corpus, including "The Confessions", "The City of God", "On the Trinity" and and "On Free Will". *3 semester hours*

Ph 139.1 Augustine & Camus
A critical examination of the philosophical writings of the two North African thinkers, with emphasis on common themes and development. *3 semester hours*

Ph 140 The Free Will Issue
An investigation into the nature and development of the free will issue in the history of philosophy. *3 semester hours*

Ph 141 The Ontological Argument
An analysis of Anselm's argument for the existence of God contained in the "Proslogion", and an examination of the medieval, modern and contemporary critiques thereof. *3 semester hours*

Ph 143 Hume
A critical study of Hume's major essays with an emphasis on epistemology, ethics and politics. *3 semester hours*

Ph 144 Philosophy of Consciousness
A scientific study of the order of consciousness from the perspective of the human being's concrete participation in the world with his body, soul, his intellect and his spirit. The recovery of principles adequate to theory and practice will be sought and interpreted with respect to the appropriate realms of being and experience.
3 semester hours

Ph 145 Philosophy of Order
An examination of some fundamental and representative types of order, their discovery and articulation in the history of mankind, for example, cosmological order and its embracing, pragmatic significance for orientation in the world; anthropological order and its proper formation in philosophy; historical order and its function with respect to civilization. *3 semester hours*

Ph 146 Problems of Empiricism
An examination of some of the problems attendant upon the doctrine that the senses afford complete and final intelligence of natural reality. *3 semester hours*

Ph 147 Scepticism
An examination of the major writings on Scepticism from Empiricus to the present day. *3 semester hours*

Ph 148 Wittgenstein
A detailed study of Ludwig Wittgenstein's *Tractatus Logico-Philosophicus* and his *Philosophical Investigations* with a special concern for the connection between these two works. *3 semester hours*

Ph 149 Marxism
An analysis of Marxism through the writing of the early and late Marx. Emphasis will be placed on freedom, man and the State. During the course we shall consider ideas from the underground, i.e., Soviet intellectual opposition. *3 semester hours*

Ph 151 Philosophical Psychology
A philosophical study of human experience respecting both science and foundations. Due attentiveness is given to the "Psyche" in its locus, the "Body" and the world as locus of "Psyche" and "Body". *3 semester hours*

Ph 157 Modern Humanism
A study of the idea of the human person as developed in representative philosophers of classical antiquity, the Middle Ages, the Renaissance, the Modern and the Post-Modern world. *3 semester hours*

Ph 158 Comparative Philosophy & Culture East & West
An examination of the relationship between philosophy and culture from the perspective of the historical destiny of mankind. A comparative study of the three great traditions of life and thought—namely, the Western, the Chinese, and the Indian—will be made through both the critical and historical approach. *3 semester hours*

Ph 160 Contemporary Problems in Philosophy
An effort to bring the insights and methods of classical philosophy to bear on problems apparently peculiar to our age—drugs, the draft, pornography, ESP—to illustrate the perennial relevance of systematic investigation. *3 semester hours*

Ph 161 Phenomenology
An introduction to the Phenomenological Movement, its origins and development. Special attention will be paid to selected texts of Husserl, Heidegger, and Merleau-Ponty. *3 semester hours*

Ph 162 Analytic Philosophy
An introduction to the thought and the methodology of contemporary philosophers who, on account of their having taken the linguistic turn, are loosely grouped together as analysts. Selected age-old problems, such as truth, values, and the possibility of religious knowledge, will be discussed in the context of the writings of Russell, Carnap, Wittgenstein, Quine et al. *3 semester hours*

Ph 164 Philosophical Theories of Pleasure and Pain
The goal of this course is to acquaint the student with the great variety of philosophical attempts to make definitive statements about the roles of pleasure and pain in human experience. Readings will be drawn from the works of philosophical authors both ancient and modern, and as well from the works of certain modern short story writers. *3 semester hours*

Ph 183 Ethical Theories
An examination of systems and methods of classical and contemporary moral philosophy with emphasis on the philosopher's notion of what a person is and what he ought to be or become. *3 semester hours*

Ph 184 Contemporary Moral Problems
Moral philosophy, methods and systems are applied to current ethical problems. *3 semester hours*

Ph 185 Philosophy of Literature
An examination of the philosophy "of" literature (the general nature of poetry and prose) and philosophy "in" literature (specific works that harbor philosophical ideas). *3 semester hours*

Ph 186 Philosophy of Science
An analysis and an inquiry into the principles, the methods and the facts of sciences as they are presented in the works of past and contemporary philosophers and scientists. *3 semester hours*

Ph 187 Philosophy of Religion
An inquiry into the nature of religion in general from the philosophical point of view, i.e. an inquiry employing the tools of critical analysis and evaluation without a predisposition to defend or reject the claims of any particular religion. *3 semester hours*

Ph 188 Social and Political Philosophy
An analysis of the writings of leading social and political thinkers, with special consideration of the movements of protest and dissent. *3 semester hours*

Ph 188.1 Philosophy of the Social Sciences

A critical study of the foundation, origin and experiential range of the social sciences; the dimensions of appropriate methodology and adequate theory, facts and values, science and ideology are to be examined with respect to the concrete subject matter, namely, of history, psychology, sociology, political sicence and economics.

3 semester hours

Ph 189 Philosophy of Law

An examination of the major questions of legal philosophy; the nature of legal rights and legal duties, the definition of law, and the grounds of legal authority.

3 semester hours

Ph 192 Organicism and Existentialism

A comparative study of two of the main streams in contemporary philosophy with a view to their possible synthesis. The basic writings of Whitehead and Heidegger as representing respectively the organismic and the existential position will be critically examined and evaluated. The question of Being will be raised in relation to the meaning of life, civilization and the world history of philosophy. *3 semester hours*

Ph 193 Philosophy of History

A investigation into the philosophical principles, historical methods and their interrelations. *3 semester hours*

Ph 194 American Philosophy

The origin and development of the American philosophical tradition and its culmination in Pragmatism. The relation of Philosophical ideas in America to literature, religion and politics. Major emphasis is given to the writings of Jonathan Edwards, Ralph Waldo Emerson, Charles Sanders Peirce, William James and John Dewey.

3 semester hours

Ph 195 19th Century Philosophy

This course is a study of the representative philosophers of the nineteenth century —notably Kant, Fichte, Schelling, Hegel, Schleiermacher, Schopenhauer, Nietzsche, Kierkegaard and Marx. *3 semester hours*

Ph 196 British Philosophy Since 1900

A consideration of the analytic tradition in Great Britain in its historical relations to other philosophies, ancient and modern. *3 semester hours*

Ph 197 Social and Business Ethics

An examination and analysis of the moral relations resulting from man's social nature. A study of problems in business ethics: relation between employer and company, advertising, pricing, competition, unions, ecology/energy, relation between business and the social order. *3 semester hours*

DEPARTMENT OF PHYSICS

Professors: Hadjimichael, McElaney
Associate Professors: Harms, Khadjavi, Meli, Newton (Chairman), Zabinski

The science of physics is concerned principally with matter and energy, the nature of each, and with their interactions. It is the fundamental science for most branches of engineering and has innumerable applications in medicine, industry and everyday life. The objectives of the Department of Physics are: 1. to impart knowledge of the general principles of physical science and to show applications to human problems; 2. to train

the student in logical and accurate methods of observation, measurement and analysis; 3. to provide adequate training in the fundamentals of physics as a basis for medical, engineering and other courses of study; 4. to encourage those students with exceptional aptitude to pursue graduate work in physics.

There is a laboratory in the appropriate matter of each of the four years carrying 1 semester hour of credit each semester.

Ps 15 General College Physics I

Mechanics and Heat for students whose field of concentration will be Physics, Mathematics or Chemistry.

An introductory course. Rigorous mathematical derivations are used freely, but the methods of calculus are indicated only occasionally. A study of velocity and acceleration, Newton's Laws of Motion, work, energy, power, momentum, torque, vibratory motion, elastic properties of solids, fluids at rest and in motion, properties of gases; measurement and transfer of heat, elementary thermodynamics. *3 semester hours*

Ps 16 General College Physics II

Electricity, Light, and Sound.

A continuation of Physics 15.

A study of magnetism and electronics, simple electric circuits, electrical instruments, generators and motors, the principles of the vacuum tube, characteristics of wave motion, light and illumination, reflection, refraction, interference, and polarization of light, color and the spectrum; production and detection of sound waves.

3 semester hours

Ps 71 Light, Color and Photography

The role of light in human culture, art, religion and science; light rays and light waves; optical phenomena in nature; simple optical instruments such as a camera; recording of optical images: photography, holography and video tape; photographic darkroom procedures and techniques; sources of light and their spectra; polarization of light; color perception and laws of color combination. *3 semester hours*

Ps 73 Man and Technology

Major concepts of modern information science are considered with emphasis on the man-technology interaction. These concepts include modeling and decision-making in such areas as energy, population, pollution, transportation, and computers.

3 semester hours

Ps 76 Physics of Sound and Music

The physical principles in the production of sound are examined with emphasis on sound produced by musical instruments. This includes the nature of wave motion as produced by vibrating strings and organ pipes, as well as harmonic content, musical scales and intervals, and the mechanism of the hearing process. Applications are made to the construction and characteristics of musical instruments, and to the design of auditoriums and concert halls. *3 semester hours*

Ps 78 Cosmology: The Nature of the Universe

Geocentric and heliocentric models of the universe from the ancient Greeks to Newton, the life cycle of stars, evidence for an expanding universe, modern concepts of space, black holes, evolutionary and steady state theories of the universe.

3 semester hours

Ps 83 General College Physics and Topics in Biophysics

Mechanics, heat and thermodynamics, wave motion and sound for premedical students.

The fundamentals of each major area are treated rigorously, using calculus throughout. Following the study of basic theory in each major area the application of their theory to biological subject matter is studied as a biophysics topic. A study of velocity and acceleration, Newton's Laws of Motion, work energy, power, momentum, torque, vibratory motion, elastic properties of solids, biophysics of muscle, elasticity and breaking strength of bones; properties of gases, measurement and transfer of heat, elementary thermodynamics, bioenergetics; mechanical waves, sound as a mechanical wave in an elastic medium, sound and ultrasound in diagnosis and therapy.

3 lectures, 1 laboratory period *4 semester hours*

Ps 84 General College Physics and Topics in Biophysics

Light, electricity and magnetism, and nucleonics.

A continuation of Ps 83.

A study of the nature of light, reflection, refraction, diffraction, and polarization of light; electrostatics, DC circuits, magnetic forces and fields, electromagnetic induction, AC circuits, electrical instruments, generators and motors, principle of the vacuum tube, bioelectric potentials in terms of active and passive transport; fundamental nuclear reactions, and elementary particles, use of radioisotopes in biology and medicine.

3 lectures, 1 laboratory period *4 semester hours*

Ps 85 Introduction to Astronomy I

This course is intended primarily for the student who is not majoring in the physical sciences. In addition to the elements of modern astronomy, the course will discuss scientific methods and the philosophy of science. Topics to be discussed include: an historical introduction, celestial coordinates, telescopes, the sun, moon, planets, comets and meteors. *3 semester hours*

Ps 86 Introduction to Astronomy II

Continuation of Physics 85

Topics to be emphasized: stellar spectra, binary stars, galactic structure, star clusters, stellar populations, stellar evolution, and cosmological models.

3 semester hours

Ps 91-92 History and the Cultural and Social Impact of Science

The objectives of this course are (a) to trace the historical development of science and induce an appreciation of universal natural laws, (b) to investigate the scientific influence on the development of culture and society, (c) to take a critical view of the culture and social institutions of today and examine to what extent science is responsible for their ills or virtues, and (d) to determine if it is still possible that a concerted action on the part of the scientific enterprise can truly improve "man's estate". The first part of the course focuses on culture, the second part deals with social institutions. *6 semester hours*

Ps 93 Energy and Environment

The complex issues relating to the production of energy and its interaction with the environment are examined in the light of the historical factors which have influenced our use of energy and the contemporary problems which the limits of our resources have imposed. Alternatives to energy resources are studied, including nuclear fission, nuclear fusion and solar energy, as well as other possible alternatives. *3 semester hours*

Ps 95 Meteorology

The course introduces the science of meteorology to the student who has little formal training in physics and mathematics. It includes a study of the composition and structure

of the earth's atmosphere; the scientific instruments which measure atmospheric changes; and the forces which produce winds and storms. Applications are made to weather forecasting, to the economic impact of weather, and to the modification of weather and climate. *3 semester hours*

Ps 111 Fundamentals of Electronics

General principles of direct and alternating current circuits; semiconductor and vacuum tube devices; operation, characteristics and equivalent circuits for transistors and tubes; operational amplifier circuit principles and use of these amplifiers for signal processing; integrated circuits; statistics and random noise in electronics.

3 semester hours

Ps 120-121 Computers in Contemporary Society

The course material covers four major areas: the basics of computer programming, the nature and operational principles of computers, the role of computers in contemporary society, and the implication of computers for the future. Topics discussed include: computer programming (APL), history, hardware and operational principles, software, data processing and business applications, industrial applications and process control, simulation, decision making, computer assisted instruction, computers in the humanities and the arts, artificial intelligence, and man-computer interaction. *6 semester hours*

Ps 122 Geometrical and Physical Optics

The nature and propagation of light, the laws of reflection and refraction, refraction and reflection at spherical surfaces, lenses and lens abberations, optical instruments, interference, diffraction, resolving power, polarization, line spectra, thermal radiation, photometry and color. *3 semester hours*

Ps 123 Electronics for Non-Science Majors

The role of electronics and electronic communication in modern society; atomic structure of matter and the electric charge; voltage and current of electricity; electronic schematic circuit diagrams; magnetic effects of electric current; electronic waves and their interaction; solid-state and vacuum tube devices; the concept of modulation as applied to wireless communication; sound recording and reproduction; recording and broadcasting images. *3 semester hours*

Ps 126 Theoretical Mechanics I

Fundamental ideas of classical mechanics; elementary dynamics; gravitational forces and potentials; free and forced harmonic oscillations; central fields and the motions of planets and satellites. *3 semester hours*

Ps 127 Theoretical Mechanics II

Rigid body dynamics; systems of particles; rotational motion; Hamilton's principle and Lagrange's equations; tensor algebra and initial tensors; small oscillations; normal modes. *3 semester hours*

Ps 130 Biophysics

The physics and biology of muscular contraction, hearing, vision, the circulatory system and the nervous system. The physics and chemistry of atoms, molecules, energy conversion processes and ionizing radiation with applications to living systems.

Prerequisites: Bio 11-12 or 83-84, Ch 11-12 or 15-16,
Ps 15-16 or 83-84 *3 semester hours*

Ps 141 Thermodynamics

Temperature scales and thermodynamic systems; Carnot cycle; absolute temperature; entropy. The Laws of Thermodynamics; chemical, electric, and magnetic systems;

kinetic theory of ideal gases; distribution of molecular velocities; the Maxwell-Boltzmann statistics; applications of the Boltzmann statistics; quantum statistics.

3 semester hours

Ps 171 Electricity and Magnetism I

The laws of electrostatics and concepts of field intensity and potential; the derivation of Gauss' law and its application; dipoles, condensers and the energy of charged systems. Laplace's equation; magnetostatics and magnetic instrument. Vector operation; Ampere's law; galvanometers. Alternating currents and electromagnetic induction; inductively coupled circuits. *3 semester hours*

Ps 172 Electricity & Magnetism II

Electric and magnetic fields in matter; solutions to Laplace's equation and the boundary value problem; multiple expansion of fields and potentials; Maxwell's equation and electromagnetic radiation; polarization; relativistic transformation of fields; electrical conduction in gases and plasmas. *3 semester hours*

Ps 185 Atomic Physics

Fundamentals of atomic and molecular structure; photo electric effect; special relativity; black body radiation; Bohr Theory; optical spectra; Compton Effect and x-rays: introduction to quantum mechanics. *4 semester hours*

Ps 186 Nuclear Physics

Fundamentals of nuclear structure; alpha and gamma emission; beta decay; nuclear masses and spins; particle accelerators and detection devices; nuclear fission and fusion. *3 semester hours*

Ps 188 Quantum Mechanics

This course is to introduce the student to the physical concepts and mathematical formulations of nonrelativistic quantum mechanics. Topics to be discussed will include: the Schrodinger wave equation, Fourier techniques and expectation values, operator formalism, angular momentum, central forces, matrix representations, and approximation methods.

Prerequisites: classical mechanics, atomic physics, advanced calculus, and differential equations. *4 semester hours*

Ps 191-192 Physics Seminar

Designed for those students who intend to do graduate work in Physics, the seminar provides an opportunity for intensive investigation of selected topics at an advanced mathematical level. Participation in and credit for the seminar will be allowed only to those students selected by the faculty with the consent of the Dean.

ENGINEERING

Eng 111 Statics

Fundamentals of mechanics. Elements of vector algebra; equations of equilibrium for stationary systems, analysis of trusses, friction and distributed forces. Vector methods are used. *3 semester hours*

Eng 112 Dynamics
Basic principles of kinematics and kinetics of rigid bodies utilizing vector methods. Application to engineering problems. Topics covered include work and energy, impulse and momentum, curvilinear motion, plane motion, rigid body motion in three dimensions, mechanical vibrations. *3 semester hours*

Eng 130 Introduction to Engineering
Introduction to the engineering profession. Visits to local industry. Computer programming in Fortran with applications; Engineering calculation methods; Analysis of current engineering problems. *3 semester hours*

DEPARTMENT OF POLITICS

Professor: Donnarumma
Associate Professor: Dew
Assistant Professors: Cassidy, Greenberg, Katz (Chairman)

A major in Politics shall constitute 30 credits: 6 at the lower division level (Po 10 and Po 11) and 24 at the upper division level. Each student must take two courses in each of the following fields in order to fulfill the requirements of the major: American Government and Politics, Political Theory/Methodology, and Comparative Politics/International Relations.

Po 10 Introduction to Comparative Politics
The concepts and dynamics of politics as "the master science." Analyses of conflict and government in various political systems: local, national, and international. *3 semester hours*

Po 11 Introduction to American Politics
An examination of the American political system and the American political culture; consideration of the major political institutions in relation to policy perspectives; an examination of the ability of the political system to deal with societal problems; proposals for reform of the political system will be analyzed. *3 semester hours*

Po 107 American Law and Social Responsibility
A study of the foundations of modern jurisprudence, dealing with the theories and systems of law; the forms and methods of trials, and law in the modern world and societal response. *3 semester hours*

Po 108 State Politics
A study of state constitutions and powers; branches of the political edifice and the attendant bureaucracy including its dynamism. The problems of finances and budget are considered with some concern of the effect upon county and local government. Law enforcement and other selected problems and functions are included. *3 semester hours*

Po 111 Western Political Thought I
Political theory from Plato to Locke. Plato, Aristotle and the Epicureans. The Stoics and the law of nature. Early Christian political ideas: Ambrose; Augustine and Gregory. The Roman lawyers. Church and state in the feudal regime; Aquinas and Dante. The conciliar theory, Machiavelli and the Reformers. English political theory in the seventeenth century: Hooker, Coke and Hobbes. *3 semester hours*

Po 112 Western Political Thought II

Political theory from Locke to the present. Locke and the "Glorious Revolution." French political thought and the Revolution: Montesquieu, Voltaire, and Rousseau. Hume and his destruction of the natural law; Burke and tradition; Hegel and his dialectic; liberalism; utilitarianism; Mill and a modernized liberalism; Marx and dialectical materialism; Modern communism, fascism and socialism. *3 semester hours*

Po 116 Utopian Politics

The attempt to discover a true relationship between authentic man and government, between personal fulfillment and political life. Students are encouraged to become aware of their own values and the wider social implications of these values. Accordingly, students design their own work and a substantial number of class meetings are spent in small group discussion. Lectures, while given regularly, are less frequent than these discussions. The course begins with a critique of American values from a utopian perspective. Alternatives are then considered from the ideas of Rousseau, the Anarchists, the American counter-culture, contemporary China and Christian radicalism including pacifism. *3 semester hours*

Po 118 American Political Thought

To be considered are the philosophical roots of American political thought and the influence of the American revolutionaries, constitution-makers, Federalists, Jeffersonians, Jacksonians, Tocqueville, Civil War-makers, examiners of the welfare state, pragmatists and new frontiersmen on the contemporary American mind and institutions. Challenges and reform of the American political system will also be treated within the scope of political science through an application of the concepts of human nature, idealism, constitutional power and nationalism. *3 semester hours*

Po 120 European Politics

An analysis of the political institutions and dynamics of Great Britain, France, West Germany, Italy and the Soviet Union; the relationship between the political culture and the political system will be emphasized; foreign policies of the various nations as well as prospects for regional integration will be analyzed. *3 semester hours*

Po 123 Modern Political Ideologies

An examination of the prevailing political belief systems in the modern world. Contemporary theories of democracy will be analyzed with special reference to the question of democracy's ability to deal with the problems of American society. Marxism will be explored in terms of the political and economic ideas of Marx and Engels as well as the modifications made in their system by Lenin and Mao Tse-tung. The basic concepts of fascism will be discussed and an analysis will be made of the meaning of totalitarianism. *3 semester hours*

Po 131-132 Rise and Fall of the British Empire

cf. Hi 131-132. *6 semester hours*

Po 140 Comparative Ethnic Politics

Theories of ethnicity and ethnic relations (racial, religious, linguistic) at the national and international levels. Among a variety of case studies, special attention will be given to Southern Africa, the Middle East, Northern Ireland and Canada. *3 semester hours*

Po 141 Political Development: Theory and Problems

Principles of comparative political analysis. Theories of socio-economic and political change. Illustrative cases of historical and contemporary societies in transition. Problems of ideology, nationalism, anomic violence, militarism, innovation, technological elitism, and revolution. Methods of economic and political planning. Community development. *3 semester hours*

Po 142 Latin American Politics

Shared traditions and problems viewed from liberal, Marxist, and corporativist perspectives. Special attention to Mexico, Guatemala, Venezuela, Brazil, Peru, Chile and Argentina. *3 semester hours*

Po 143 Caribbean Politics

Racism, dependency and collective identity crises have troubled this region, producing dramatic revolutions, Black Power movements, and U.S. interference. Countries studied: Cuba, Haiti, The Dominican Republic, Puerto Rico, Jamaica, Trinidad, Guyana, and Surinam. *3 semester hours*

Po 145 The Major Powers of Asia

An analysis of the institutions and dynamics of China, Japan, India and Pakistan; the relationship between the political culture and the political system will be emphasized; the different paths towards modernization taken by each will be analyzed; foreign policies of each of the nations will be discussed. *3 semester hours*

Po 146 Seminar on China

An examination of the major problems of contemporary Chinese society with a particular emphasis on political socialization and the Chinese political culture and the role(s) of such groups as students, peasants, women, etc. The seminar will attempt to focus on these problems through an analysis of political philosophy, short stories, novels, plays and biographies, both by Chinese writers and western scholars and observers. *3 semester hours*

Po 147 World Politics

Theories of conflict among nations and non-state actors. Evaluation of the UN and other international organizations. Consideration of major contemporary issues. Class will simulate some conflicts. *3 semester hours*

Po 148 United States Foreign Policy

Review of the Cold War from orthodox and revisionist perspectives. Vietnam. Discussion of various actors in the struggle to control foreign policy. Problems of nuclear strategy, trade, aid, espionage, etc. Major contemporary policies and commitments will be debated by class. *3 semester hours*

Po 149 Russian Politics Seminar

Survey of literature on Russian political, economic, and social conditions under Communism; fiction and nonfiction, Communist and non-Communist.

3 semester hours

Po 150 Urban Politics

Structures and processes of urban politics will be examined. The major participants and policy areas of urban political processes will be considered. The evolution of urban areas will be set in historical perspective. Major contemporary problems will be discussed and alternative solutions will be analyzed. *3 semester hours*

Po 155 Public Administration

The course will focus on the role of the bureaucracy within the political process. The problems of efficiency and accountability will be examined. The classic models of bureaucratic organization and function will be studies in juxtaposition to the reality of bureaucratic operation. Proposed reforms will be analyzed in order to determine the viability of change. *3 semester hours*

Po 161 The American Presidency

A study of the role of the President in the political system. The origins, qualifications and limitations of office will be considered as the President functions as Chief Exe-

cutive, legislative leader and link with the Courts. The obtaining of presidential powers, his roles as party leader and politician are also examined as a means of evaluating presidential achievement of domestic and foreign policy goals. Questions of reform are also reviewed. *3 semester hours*

Po 162 United States Congress

A study of Congress within the context of the political system and an analysis of its constitutional powers; historical development; processes of recruitment; formal organization; committee system; social make-up; folkways; political leaders; constituency and interest group influences as well as consideration of its domestic and foreign policy outputs. Chances for reform and evolution will be considered.

3 semester hours

Po 163 The Supreme Court and Constitutional Law

Judicial systems. Institutional aspects. The Federal Courts and the Law. Judicial decision-making procedure. The Justices of the Supreme Court. The Supreme Court and the Federal System; the powers of Congress and the President; Economic Regulation; Political and Civil Rights; Freedom of Speech, Press, Assembly and Religion; Communism, National Security and Individual Freedom; Race Discrimination and Equal Protection of Laws; Criminal Procedure; Civil Liberties and the Administrative Processes.

3 semester hours

Po 165 Establishment Politics: Parties, Groups and Socialization

A study of the informal processes of working through the American political system. This includes a contrast between radical perspectives and the ways in which Americans are ordinarily socialized to work through the two-party system and interest groups. Heavy concentration is placed on the political party system in the United States. *3 semester hours*

Po 166 Private Power and Public Policy

An examination of some of the major policy problems facing American society today: poverty, pollution, the medical care system and the military-industrial complex. The causes of these problems will be discussed particularly in terms of the influence of private economic power and especially large corporations. Finally, an analysis will be made of the policies formulated by the federal government in response to these questions. *3 semester hours*

Po 190 Congressional Intern Honors Program

Po 191 Executive Intern Honors Program

Po 195 Political Socialization

An examination of the origins and developmental aspects of political beliefs, attitudes and ideologies. The course will focus on both the theories and processes of political learning and how orientations acquired during the life cycle vary under different cultural conditions. Special emphasis will be given to assessing the influence of socializing agencies such as the family, schools, peers and mass media on political learning and the effect of the socialization process on the stability of the political system. *3 semester hours*

Po 197 Washington Semester: Selected Topics

Po 199 Senior Research Seminar *3 semester hours*

DEPARTMENT OF PSYCHOLOGY

Professors: Boitano, Braginsky, McGrath, Salafia (Chairman)
Associate Professors: Gardner, McCarthy
Assistant Professors: Smith, Worden

The Department of Psychology has set as its major objective the education of students who desire a quality and basic scientific undergraduate program in Psychology. Such a program, along with the careful selection of other courses, prepares students for graduate study in Psychology, Neurosciences, Education, Medicine, Law, Social Work, Business, etc., or for entry immediately after college into a career in government or industry. In addition, one of the objectives of the Department is the presentation of significant background courses in many areas of Psychology for non-majors.

Required courses for the major in Psychology are General Psychology and Statistics. Additionally, there is a core of highly recommended courses which includes: (1) Abnormal Psychology, (2) Human Development, (3) Learning and Memory, (4) Perception and Cognition, (5) Physiological Psychology, (6) Social Psychology, and (7) Theories of Personality. Students planning graduate study in Psychology should also take Research Design and two Advanced Labs.

Depending on their orientation, students may choose either the B.A. or B.S. degree in Psychology. Specific details of the curricula leading to these degrees may be found elsewhere in this catalogue.

Psy 11-12 General Psychology I & II

This full year course, restricted to majors in psychology, is designed to introduce the student to the broad field of psychology and its scientific base. The first semester will cover an orientation to psychology in the areas of sensation, perception, memory, learning, and motivation. The second semester will be an introduction to the clinical and social areas of psychology.

6 semester hours

Psy 13-14 Introduction to Psychology I & II

An extensive introduction to the field of modern psychology for the non-psychology major, with the view to further liberalizing and humanizing the student through a knowledge of scientific psychology. Sensation and perception, learning theory, motivation, mental health, psychotherapy are the major areas of content.

6 semester hours

Psy 15 Basic Psychology

A one semester course designed to acquaint the student with some fundamentals of Psychology. This is accomplished through a survey of selected topics, such as perception, learning, intelligence, motivation, social processes, personality, and abnormal behavior.

3 semester hours

Psy 100 Fundamentals of Psychological Statistics

A one semester course designed to acquaint the student with the rudiments of common statistical concepts used in Psychology. It covers such topics as measures of central tendency, variability, correlation, regression, probability, graphic representation of data, and selected topics from inferrential statistics. *3 semester hours*

Psy 101 Psychological Statistics I: Basic Statistics

This is an introductory course in statistical methodology and analysis as applied to modern psychology. It includes descriptive statistics, such as frequency distributions, central tendency, variability, and correlation, as well as an introduction to probability, sampling theory, and tests of significance. Although this course may stand alone as an introduction to statistics, it is assumed that most students will continue into Research Design. *3 semester hours*

Psy 102 Psychological Statistics II: Research Design

This is an advanced course in inferential statistics. Its purpose is to extend the student's abilities in the design and analysis of research projects through a consideration of hypotheses, theories, measurement, control, and the logical bases of experimental inference. Advanced statistical methods, such as analysis of variance, analysis of covariance, and non-parametric procedures presented. *3 semester hours*

Psy 112 Testing in Industrial Psychology

A psychometric consideration of industrial psychology. Testing principles are seen in their relationship to screening, training, evaluation, motivation, job satisfaction, morale, and supervision. Emphasis is placed on test construction and validation.

Prerequisites: Psy 100 or 101 *3 semester hours*

Psy 121 History and Systems Psychology

The aim of this course is to introduce the student to the patterns of thinking throughout early and modern history which have had their influence on the development of contemporary psychology. The student will be acquainted with past and present systems and theories of psychology, with emphasis being placed on the impact of modern science in changing prevailing modes of thought. *3 semester hours*

Psy 148 Social Psychology

This course surveys the major areas of concern in social psychology. The emphasis is on current issues and research in the fields of social influence and conformity, human aggression, prejudice, interpersonal attraction, propaganda, and persuasion.

3 semester hours

Psy 149 Advanced Lab - Social Psychology

Course designed for students interested in conducting research projects in the area of social psychology. Seminars will be devoted to planning research strategy and design, as well as the issues and problems that arise while conducting the study, analyzing and interpreting the data. Students will plan, execute and report several experiments.

Prerequisites: Psy 11-12; Psy 101-102; Psy 148 *4 semester hours*

Psy 151 Abnormal Psychology

This course introduces the student to the field of abnormal behavior. The classic behavior patterns in the classification system are presented. The possible causes and remediation of such are discussed. Different sections are established for majors and non-majors.

Prerequisite: Psy 163 *3 semester hours*

Psy 161 Physiological Psychology—Independent Study

A one semester introduction to brain-behavior relationships, emphasizing the rudiments of neurophysiology, neuroanatomy, and neuropsychology. The latter includes the neural bases of aggression, sex, food and water consumption, fear, learning and memory. A Personalized System of Instruction (PSI) course in which the student's progress is measured by self-paced unit-mastery tests. *3 semester hours*

Psy 163 Human Development

A developmental psychology approach to the growth of the individual from birth to old age, tracing motor, perceptual, language, cognitive, and emotional growth. The emphasis will be on normal development. Different sections are established for majors and non-majors. *3 semester hours*

Psy 164 Developmental Psychology of the Adult Years

Within the framework of a life-cycle approach to human development, this course will focus on the major tasks of adult life. Building upon this systematic approach, the course will attempt to bring an interdisciplinary perspective to adult development by emphasiz-

ing the interaction of psychological, social and physiological aspects. In addition to a treatment of the major themes of early and middle adulthood, a significant treatment of the psychology of the aging person will be included, highlighting behavior and adaptation in later life. This course is open to majors and non-majors alike. *3 semester hours*

Psy 165 Learning and Memory

The purpose of this course is to present the student with a basic understanding of principles of learning and memory. The course begins with a consideration of definitions; research methods and problems in the investigation of conditioning, reinforcement, extinction, generalization, discrimination, language learning, etc., followed by a critical analysis of the major theories of learning from Thorndike to the present. The course concludes with an attempt at synthesis, with special reference to applications of learning theory in such diverse areas as education, therapy, and cultural design.

3 semester hours

Psy 166 Advanced Lab - Learning and Memory

This course allows the student to become familiar with basic methods and procedures for the conduct of research in learning and memory. It begins with an introduction to animal and human research methods and procedures. Students will perform experiments in classical conditioning, operant conditioning, discrimination learning, verbal learning, etc. in both humans and infrahumans. The course concludes with a written and oral presentation of an original research design. The emphasis of the course is basic research in the psychological and physiological aspects learning and memory.

Prerequisites: Psy 11-12; Psy 101-102; Psy 165 *4 semester hours*

Psy 171 Advanced Lab - Physiological Psychology

Essentially a technique-oriented course designed to give those students who are planning careers in neuropsychology training in the basic rudiments of small animal brain surgery. These include aspirated lesions, stereotaxic ablation procedures, preparation of electrodes and actual implantation for electrical brain stimulation and electrical recording, perfusion and brain extraction, histological techniques, and behavioral measurement. A written mini-neuropsychology report is required in addition to the design of an original experiment. Two hours per week are spent in student-directed seminars devoted to an in-depth analysis of specific methodological areas.

Prerequisites: Psy 11-12; Psy 100 or 101; Psy 161 *4 semester hours*

Psy 172 Advanced Lab - Human Development

This course is designed for students interested in conducting research projects in the area of human development. Seminars will be devoted to research design and procedures, as well as discussions of problems encountered in gathering, analyzing and interpreting data for the studies.

Each student will be required to design a study and collect at least pilot data.

Prerequisites: Psy 11-12; Psy 101-102; Psy 163 *4 semester hours*

Psy 180 Perception and Cognition

A consideration of sensation and sensory processes will precede an extensive coverage of perception and information processing with emphasis on human experimental data. The nature of perception, neuro-psychological substrates of perception, and the development of perception in the individual will be discussed. Closely integrated will be a consideration of cognition, including language, ideation, problem-solving and other higher mental processes.

Prerequisites: Psy 11-12 *3 semester hours*

Psy 181 Advanced Lab - Perception and Cognition

Students will plan, conduct, and write in journal format several experiments dealing with any of a variety of perceptual and cognitive phenomena. Emphasis will

be on research design, control of relevant variables, and concise scientific writing.
Prerequisites: Psy 11-12; Psy 101-102; Psy 180 *4 semester hours*

Psy 182 Introduction to Clinical Psychology

This course surveys the many concerns of the expanding field of clinical psychology, examining its more traditional as well as emergent interests, from a broad conceptual and historial perspective. The many competing concepts and techniques of intervention are studied, including the psychodynamic, behavioral, humanistic-existential and community psychological frameworks.

Prerequisites: Psy 11-12; Psy 151 *3 semester hours*

Psy 184 Theories of Personality

The content of the course will be an advanced presentation, analysis, and evaluation of theories of personality from Freud through Skinner The purpose of such a course is not only one of theoretical enrichment and history, but is intended to broaden the student's understanding of the normal human personality in terms of theoretical structure, function and dynamics. *3 semester hours*

Psy 185 Advanced Lab - Clinical Psychology

The lab will wed theory and practice by requiring participation in quasi-experimental research project in a selected clinical setting. The goal of the lab is two-fold: direct exposure to a clinical setting and the elaboration of an original group research study under the careful supervision of the professor. Admission to this lab is restricted to those with the approval of the professor.

Prerequisites: Psy 11-12; Psy 101-102; Psy 151 *4 semester hours*

Psy 186 Group Dynamics

This course is designed to give the student a basic knowledge of the most important theories and research on groups. There is an attempt to combine sociological and psychological perspectives in order to give a more integrated picture of the way groups function. It will also be possible for students to make use of experiential as well as classroom methods of learning.

Prerequisites: Psy 151; Psy 163 *3 semester horus*

Psy 187 Community Psychology

Focuses on a socio-psychological approach to issues in the community, i.e. mental health, crime, education. Covers the history and current developments in community mental health as well as theories of group and organizational dynamics as they relate to community mental health consultation.

Prerequisites: Psy 151; Psy 163 *3 semester hours*

Psy 188 Advanced Lab - Community Psychology

An opportunity to apply the concepts learned in the Community Psychology course to a concrete work situation. This is accomplished by placing students in Community Agencies on a part-time basis, combined with supervision and discussion of different experiences. All students are expected to complete and write an independent community research project.

Prerequisites: Psy 11-12; Psy 101-102 *4 semester hours*

Psy 190 Drugs and Behavior

A survey course discussing the psychopharmacological properties of the more significant drugs used for research and by society, in general. These include by class, alcohol and nicotine, the depressants and stimulants, the tranquilizers, the opium derivatives, and the halucinogenic compounds. Particular emphasis will be placed on the drugs' site of action in CNS as well as behavioral alteration in the controlled and non-controlled environment. *3 semester hours*

Psy 193 Environmental Psychology

Course designed to explore the relationships between the psychological aspects of man and the environment in which he lives. Students will be involved in selecting, designing, and conducting a class research project in the realm of environmental psychology. Class material will consist of trying to assess the relevant parameters of the environment in addition to its effect upon man. *3 semester hours*

Psy 196A Honors Seminar in Clinical Psychology

This course is intended for a small number of highly selected seniors to explore in depth specific topics of special interest. Independent readings and class discussion will be stressed. Experiential exposure to clinical practices is required by volunteer work during the year.

Prerequisites: Psy 151A; Psy 163A; Psy 199 *3 semester hours*

Psy 196B Honors Seminar in Experimental Psychology: Directed Self Study

A selection of topics important in experimental psychology today will be explored by a limited number of advanced psychology students. Students will read extensively and deliver comprehensive oral and written reports on topics including learning, memory, sensation, perception, motivation, and cognition.

Prerequisites: Psy 11-12; Psy 161 or 165 or 180 *3 semester hours*

Psy 196C Honors Seminar in Social Psychology

This course provides advanced students with the opportunity to be involved in research at a professional level. It will be open to a small number of students with the permission of the instructor. Independent readings and research work will be stressed with periodic seminar discussions.

Prerequisites: Psy 101-102; Psy 148 *3 semester hours*

Psy 198 Independent Study in Social Psychology and Personality

This course is geared to a select number of students who are interested in research aspects of social psychology and personality. It is designed specifically for professional publication by the student of his independent research.

Prerequisites: Psy 101-102; Psy 148 *3 semester hours*

Psy 199 Theories in Psychotherapy

The course will explore similarities and differences across a wide range of psychotherapeutic endeavors by means of lectures, films, and tapes. Traditional psychoanalytic techniques and more recent innovations in behavior therapy, existential therapy, transactional analysis, and Gestalt therapy will be covered.

Prerequisites: Psy 151A; Psy 163A *3 semester hours*

DEPARTMENT OF RELIGIOUS STUDIES

Associate Professors: Burns (Chairman), Caffrey, O'Callaghan
Assistant Professors: Benney, Brackett, Humphrey, Thiel, Yannarell
Lecturer: Carrier

The curriculum in religious studies provides in an academic context the critical methodologies by which the light of intelligence is focused upon what man has thought about God, faith, religious experience, etc., in order to impart to the student an appreciation of what religion has meant and continues to mean to mankind. The student, with or without a personal faith-commitment, has the opportunity to acquire an inner sympathy with what believing man has valued most highly.

The courses offered in the Department of Religious Studies correspond to the educational development of students in three ways: 1. for the student of Liberal Arts who wishes to expand his experience of the humanities in the wisdom sciences by an investigation of the phenomena of religious experience and the study of religious beliefs, ideas, and values.

2. for the student who wishes to supplement his education in an allied field of major concentration with a more extensive and specific understanding of the literature, history, or present experience of a religion or religions.

3. for the student who wishes to pursue a major program, (a) as undergraduate preparation for a professional career (teaching, politics, business, journalism, art, etc.) wherein a knowledge of the intellectual and moral, personal and experiential, cultic, social and historical dimensions of religion and religious systems is of great value; (b) as a depth study of man's religious experience in its various forms in order to develop intelligently the best techniques and methods for coming to terms with ultimate questions of meaning in his own life; (c) as a program preliminary to graduate concentration in the study of religion and theology; students in this category will receive supplementary attention from the Department.

RS 10 Religious Studies

An introduction to the scientific study of the total religious achievement of man. The meaning and end of religion, its dimensions and function in the life and history of the human race and of the individual. An analysis of man's religious faith, values and authentic religious experience, as evidenced in the scriptures, traditions, doctrines, and history of the great religions, in the light of the principles and methods of theology, hermeneutics, and various other disciplines of the humanities. *3 semester hours*

RS 15 The Scriptures as the Word of God

Role of the Bible in Catholic Theology. The Inspiration, Inerrancy and Interpretation of Scripture. God's redemptive plan for mankind. The Record of Revelation in the Old and New Testaments. The convergent themes of the Bible. Christianity and Judaism. Salvation accomplished by Christ. Origin, structure and characteristics of the quadriform Gospel. The teaching of the Epistles. Vatican II's Dogmatic Constitution on Divine Revelation. *3 semester hours*

RS 25 The Church of Christ as the People of God

An ecumenical study of the inner life of the Catholic Church. Her relationship to other world religious bodies, to American Prostestantism and the Democratic State. Vatican II's Dogmatic Constitution on the Church. Her origin, structure, development in the New Testament. Her members lay and clerical. Eschatological nature of the church. *3 semester hours*

RS 100 The Protestant Reformation

An examination of the background and development of men, ideas and movements characteristic of the 16th Century religious reform on the continent: Luther, Calvin, Zwingli, Bucer, Munzer, Menno Simons. Each man will be studied in his context to show how this affected his understanding and implementation of the Protestant idea. *3 semester hours*

RS 101 Development of Christian Religious Thought

Major trends in Christian thought from the early Church to the Renaissance. An analytical survey of the contributions of outstanding men, of the development of significant ideas and institutions from the patristic age, through the rise and decline of Scholasticism, to the Renaissance. *3 semester hours*

RS 102 The Principles of the Comparison of Religions

A critical examination of the presuppositions, typology, classification and historical method of Van der Leeuw, Otto, Kristensen and Eliade. Historical texts will vary with each course but will include a major work from the Christian tradition and at least one from the other major world religions. *3 semester hours*

RS 103 Major Trends in Protestant Thought
A historical and theological examination of major Protestant ideas from the Reformation to the present. Moving from the context where these ideas emerged, study will focus on their development and expression in the changing context of succeeding periods, with reference to continuities and discontinuities. *3 semester hours*

RS 104 The American Religious Experience
An examination of the development of Religion in America with particular attention to the historical interplay of ideology and environment. *3 semester hours*

RS 105 Protestant Theology in the Nineteenth Century
A survey of the great thinkers of the Protestant tradition in the nineteenth century, with emphasis on major developments since the Reformation. *3 semester hours*

RS 106 Protestant Theology in the Twentieth Century
An exploration of the major Protestant theological options of the twentieth century with an in-depth study of some particular instances of the information of the theological present from the past. *3 semester hours*

RS 107-108 Aspects of Jewish Theology
A survey course, outlining the major trends within Jewish thinking, from the biblical to the modern eras. The first section covers the period to 900; the second, from 900 to 1900. *6 semester hours*

RS 109 Contemporary Jewish Theology
The thinking of contemporary Jewish theologians, including Martin Buber (Dialogue), Mordecai Kaplan (Reconstructionism), Israel Salantar ("Mussar"), The Lubovitcher Rebbe (Hassiduth), Solomon Schechter (Conservative Judaism), Rabbi Kuk (Religious Zionism), Abraham Heschel (Religious Experience), Richard Rubenstein (Death of God). *3 semester hours*

RS 110 The Religion of the Semites
An introduction to the civilization of the Ancient Near East. The course will utilize original texts in English translation, and contemporary material related to the history of Semitic religions. It will emphasize those ideas and institutions which formed the content of the biblical civilization. *3 semester hours*

RS 120 Puritanism in England and America
An historical analysis of the Puritan "movement" with careful attention to characteristic men and ideas as these developed relative to prevailing cultural, political, and religious considerations. The intent of the course is to derive a more precise understanding of the term "puritan" and to illustrate the complexity of the Puritan idea as it was elaborated in England and America. *3 semester hours*

RS 125 Contemporary Theology of Christian Man
A critical examination of man's knowledge of his own nature and place in the world in the light of modern Christian thought. The systems of H. R. Niebuhr, G. Vann, P. Tillich, H. U. von Balthasar, J. Knox, and K. Rahner are examined and compared with a view to understanding their anthropological base. *3 semester hours*

RS 126 Contemporary Christology

The mystery of Christ in contemporary thought. A survey of major trends in Christology among modern theologians: Barth, Tillich, Bonhoeffer, Pannenberg, Rahner, Schillebeeckx, Hulsbosch, etc. *3 semester hours*

RS 131 Theology of Prayer

A systematic treatment of the personal prayer of Jesus and his teaching on prayer both ordinary and mystical. Various methods of prayer, including the eastern "Jesus Prayer" will be examined and several practices recommended. *3 semester hours*

RS 132 Christian Existence

The Christian understanding of man's existence, his purpose, his relationship to God, and to Christ as the dynamic center of Christian life. Consideration is given to methods of prayer and to the rules for discernment of God's will. *3 semester hours*

RS 133 New Directions in Christian Spirituality

This course will discuss: (1) the "Jesus Movement" and the place of Jesus in the Christian life; (2) "Pentecostalism", the fastest growing movement in Christian Churches; and (3) contemporary interpretations of the "Sermon on the Mount", the spiritual Magna Charta of Christianity. *3 semester hours*

RS 134 Fundamentals of Christian Spirituality

God's wise and living plan for man. The Christian's union with Christ and Christian perfection. The Spirit-inspired and Christlike life of filial love of God and fraternal love of man. Christian liberty, Conformity to the Divine Will, Abnegation and Asceticism. Meaning of sin. Prayer and Mysticism *3 semester hours*

RS 135 The Spiritual Theology of the Parables

The teaching and wisdom of Christ as contained in his parables: the primacy and centrality of love in the Christian life; hope and confidence; the goodness, compassion, mercy of God; the cost of discipleship; the tragedy of self-righteousness, etc. Of special concern is the application of the doctrine to contemporary man. *3 semester hours*

RS 136 Modern Atheism and the Problem of Belief

An examination of the literature of contemporary atheism, agnosticism, anti-theism, "Death of God" theology and their 19th century sources. An indepth study of the 20th century situation will analyze the modern varieties of unbelief and reflect on them in the light of Christian theology. *3 semester hours*

RS 137 Man and Sin

A treatment of the nature of man: intelligence and freedom; the Divine plan for man, the supernatural order, man's final destiny; man's free choice and the nature of sin; original Justice and the Fall and effects thereof, will be treated in Scripture, tradition and modern theologians with reference to relevant problems in the modern world. *3 semester hours*

RS 138 The Problem of God

An historical and systematic study of the Christian analysis of the problem of God: the Trinity of Persons and the Redemptive Incarnation. The development of Christian thought on God will be examined in the New Testament, the Fathers, medieval and modern times, and will be related to contemporary atheism and the future of Christianity. *3 semester hours*

RS 139 The Theology of Teilhard de Chardin

A study of the impact of the thought of Teilhard de Chardin on the theology of Man, Sin, and Grace. *3 semester hours*

RS 142 Marriage and the Family

A study of marriage in Scripture and Christian tradition, as a secular reality and a saving mystery. A discussion of the basic obligations of husband and wife, sex and sanctity in marriage. The problems of Catholic marriage in a pluralistic society; the problems of contemporary family life. *3 semester hours*

RS 143 The Sacraments in Christian Life

A study of the function of the Sacraments as the source of Christian character, involvement and witness. Post-conciliar developments in the Liturgy and Sacraments will be related to current emphasis on the priesthood of the laity and the emerging role of the laity in the church. *3 semester hours*

RS 150 New Testament Questions Today

A review of current discussions of New Testament matters: e.g., Jesus and the Dead Sea Scrolls; the consciousness of Jesus; the concept of Apostle; patterns of church order; marriage and divorce; the Eucharist; traditions about Jesus, inspiration, etc. The text of each subject will be examined in light of recent critical studies.

3 semester hours

RS 151 The Reinterpretation of the New Testament

An introduction to the critical study of the N.T. in which the methodologies of Literary, Form and Redaction Criticism will be explained. The varying N.T. titles for Jesus will be reviewed and compared with the original Jewish or Greek usage. The process of reinterpretation of Jesus in the N.T. will be reviewed in terms of the "New Hermeneutic". *3 semester hours*

RS 154 The Writings of Paul

A study of the texts and recurring themes of the writings attributed to Paul. Particular emphasis will be on Paul's treatment of ethical situations, community and religious experience. *3 semester hours*

RS 157 The Good News of the Gospels

The Gospels of Matthew, Mark, Luke, John will be studied according to the methodology of Redaction Criticism. The theological positions of early Christianity as represented in each writer will be examined and compared.

3 semester hours

RS 158 Writings of St. John

A study of the text of the gospel and epistles attributed to John. Particular emphasis will be placed upon the recurring themes in these writings, the distinctive view of Christianity they represent, and the development of early Christianity to which they witness. *3 semester hours*

RS 160 Varieties in the Religious Experience

A study of unusual forms of man's approach to the experience of numinous reality. Three areas will be examined in detail: theologies:—Shakers, Pentecostals, prophetic cults; fads:—Astrology and its background; the Occult. *3 semester hours*

RS 161 Prophecy in Ancient Israel

This course will examine the concept of "prophet" and its extensive dimensions within the framework of Israel's covenanted history. Emphasis will be placed upon the message, themes and styles of the classical prophets Amos, Hosea, Isaiah, Jeremiah, Ezekiel, and Zecheriah whose careers span the major periods of Isrealite prophetism.

3 semester hours

RS 162 Key Themes of the Old Testament

A survey of the major books of the Old Testament: Pentateuch, Prophetic and Wisdom literature, Psalms, Apocrypha and Midrashic texts, etc. Emphasis will be placed on the central thematic patterns and key concepts of the literature. *3 semester hours*

RS 163 Israelite Wisdom Literature

This course will trace the roots of Israelite wisdom in Egypt and Canaan and analyze the development of biblical wisdom which begins with "the fear of Yahweh". A close examination of texts from Proverbs, Sirach, Job and Qoheleth will be offered. The personification of wisdom as preparation for and bridge to the New Testament will be studied in the Book of Wisdom. *3 semester hours*

Rs 171 Catholic Theologians

A lecture/reading course designed to place the student in the context of controversy within the Catholic Church. Problems of Church authority, new morality, belief, new liturgy, etc. are viewed as contemporary Catholic writers see and define them. The perspective of the course is to view Vatican II as the finalization of a theological revolution and to consider certain men as "interpreters" of the Magisterium as it is expressed in the Council; and certain others as structuring the "new future" of Roman Catholicism. *3 semester hours*

RS 172 American Catholic Theologians

A lecture/reading course which is designed to give the student insight into the modern development of Catholic theology in America. Discussion/analysis covers the work of Gustav Weigel, John Courtney Murray, George Tavard, Frank Sheed, Walter Burghardt and Robley Whitson. An attempt is made to describe what is specifically American in terms of its origins and the present American cultural reality.

3 semester hours

RS 181 Modern Moral Problems

A study of the fundamental concepts of moral theology, the properties of Christian morality, in terms of the major emphases of contemporary Christian thought. Specific reference will be made to more significant current problems: conscience and law, freedom and obligation, personalistic and existential ethics, and the conflict of values in pluralistic society. *3 semester hours*

RS 182 Theology of Peace

A study of Christian thought on war and peace as it derives from the Old and New Testaments, Greek and Roman classical thought, the Fathers and Doctors of the Church, Vatican II and modern Popes, contemporary authorities (e.g., Bainton, Bennet, Reves, Ramsey, Zahn, Lens, etc.) *3 semester hours*

RS 184 Morality and Law

A study of the relationship between law and morality, of rights and justice, with illustrative reference to special topics, e.g., racism, sexism, political, business, and communications ethics, etc. *3 semester hours*

RS 185 Theology of Revolution

The question of the relevance of Jesus and Christianity for the contemporary problem of revolution involves necessarily the historical question of Jesus' relationship to the revolutionary currents of his day. The course will study the relationship of

Jesus to the religious and political movements of his time, particularly the Zealots, from the perspective of a critical approach to the NT materials, and relate this to the recent literature on the "Theology of Revolution." *3 semester hours*

RS 186 Black Theology

A survey of the origins and main directions of Black Theology in such writers as Cone, Cleage, M. Jones, W. Jones, Roberts, Washington. Black Theology as an outstanding example of current theologizing in the human experience of injustice and alienation and on the process of liberation. *3 semester hours*

RS 191-192 Contemporary Moral Problems I & II

The moral/ethical questions which involve a significant conflict of values in contemporary pluralistic society will be examined with particular reference to the insights of Christian Moral Theology. RS 191 will examine the problematic of war, violence, civil disobedience, and some questions from biomedical ethics, such as euthanasia, genetic manipulation, etc. RS 192 will give special attention to sexual ethics, obscenity, pornography, abortion, contraception, over-population, etc. *6 semester hours*

RS 198 Major Seminar

This seminar course is an in-depth investigation of an individual man in an attempt to understand and organize his system, method, point of view and major concerns. *3 semester hours*

DEPARTMENT OF SOCIOLOGY

Associate Professor: Fay (Chairman)
Assistant Professors: Anderson, Hodgson, Schlichting
Lecturers: Rodrigues, Shafer

The Department of Sociology concerns itself with:

1. providing a superior undergraduate program for majors who wish to pursue graduate studies in Sociology;
2. providing an interesting and stimulating liberal arts major that would be useful to people entering a wide variety of occupations;
3. providing an opportunity for those majoring in other fields to acquaint themselves with Sociology.

REQUIREMENTS FOR THE MAJOR

1. Sociology majors must take a minimum of thirty (30) credits in Sociology, including So 11 and So 12.
2. In addition, majors are required to take the six courses listed below. (Also listed are the semesters in which it is recommended that they be taken.)

   a. So 11 (Fall, fresh. or soph. year)
   b. So 12 (Spring, fresh. or soph. year)
   c. So 163 (Fall, soph. or jr. year)
   d. So 164 (Spring, soph. or jr. year)
   e. So 103 (Fall, jr. year)
   f. So 104 (Spring, jr. year)

SOCIOLOGY AND NON-MAJORS

Most courses described here are open to all without prerequisite. The exceptions are Soc 103, 104, 163, 164, 170, 171.

So 11 General Sociology I

An introductory analysis of the social nature of man and the forms of social behavior; the structure and function of social organizations and social systems. Particular application of these principles to human society. *3 semester hours*

So 12 Sociological Analysis of Contemporary Society

An analysis of the major institutional organizations which have transformed and continue to transform America and the modern world: industrialization, urbanization, bureaucracy, the corporation, technology — and the effects of these trends in producing new personality types, mass society, unrestrained social change, and the population explosion. Purpose of the course is to provide a macro-sociological framework for both the sociology major and non-major: a framework in which micro-sociological analyses such as stratification and industrial sociology should make more sense. *3 semester hours*

So 101 Sociological Statistics

An introductory course in statistical methods with particular application to the field of sociological research. Includes the organization of data, measures of central tendency and variability, correlation methods, sources of sampling error, and tests of significance. *3 semester hours*

So 103 Sociological Theory I

A study of the classical theorists in Sociology, with special emphasis on Marx, Durkheim, and Weber.

Prerequisite: So 11 *3 semester hours*

So 104 Sociological Theory II

A study of contemporary theorists, with emphasis on Symbolic Interaction, Functionalism and Critical Sociology.

Prerequisite: So 11 *3 semester hours*

So 111 Cultural Anthropology

A non-historical consideration of one of the two principal divisions of anthropology. Focus of the course is on the concept of culture—its nature and structure, as well as the processes involved in its development, function, and change. Cross-cultural examination of social institutions. Major anthropological theories relating to culture, society, and personality. *3 semester hours*

So 112 Culture and Personality

An analysis of how people develop and sustain a self-concept. The relativity of "normal" character structure to particular cultural and social contexts is examined. Role and reference group theory, plus the importance of primary group belonging, is drawn upon to help explain individual motivation and attitudes. *3 semester hours*

So 121 Sociology of Education

An analysis of the connections between society and its educational institutions. Topics emphasized are (1) education and socialization of children; (2) education and quality of opportunity; (3) education as a profession. *3 semester hours*

So 131 Urban Sociology

"The nature of the city" and growth of urbanization in the contemporary world. The Ecological approach and the use of demographic data in the analysis of modern urban communities. Social organization of metropolitan regions and the emergence of Urban-Suburban conflict. "Big city" politics, community-control, and regional government as dimensions of organization and disorganization in city life.

City planning and urban development at local and national levels as efforts to solve the urban crisis. *3 semester hours*

So 132 American Communities

A study of changes in American communities from preindustrial mercantile cities to modern industrial, urban and suburban centers of mass society.

The classic American community studies, the "Chicago School," Middletown, Yankee City, working-class and middle-class suburbs, small towns and megalopolis will be analyzed in terms of changes in concepts of community, power structures, life-styles and personality types. *3 semester hours*

So 133 Mass Media and Human Communications

This course deals with human communications in general with a specific emphasis on mass media. There are five major areas in the syllabus: 1) The function of communication in society for the individual, the larger group and mass society; 2) A general look at theories of communication and the structure and function of mass communication media; 3) Some understanding of and experience in selected methods of media research; 4) an in depth analysis of each of the media; and 5) a discussion of the uses of mass communications media and problems involved. *3 semester hours*

So 140 Sociology of Religion

A combined theoretical and empirical treatment of the sociology of religion. The character of religious institutions. The relations of religious institutions with other institutions in society. The internal social structure of religious institutions. Particular attention will be given to the process of secularization in the modern world and the crisis this poses for traditional religion. *3 semester hours*

So 152 Sociology of the Family

An analysis of the structure and function of the family system as a basic social institution. Attention to various forms of marital and familial behavior in America as compared to that of other cultures. The role of social change in family disorganization. *3 semester hours*

So 153 Complex and Industrial Organization

An analysis of formal and informal relationships in modern bureaucratic and industrial organizations. The changing meaning of work and the problems of alienation will be examined as well as the changing occupational roles in corporations, government and educational institutions.

Emphasis on Trade Unions in America as bureaucratized, counter-bureaucracies and the emergence of the new middle class worker. Possibility of individual freedom in organizational society. *3 semester hours*

So 161 Social Stratification

The study of social inequality as a central fact of all social life: Some attention is given to comparisons among various societies, but the course's focus is on the American class structures. Likewise, although methodological issues are dealt with, theoretical problems receive the greatest emphasis.

Prerequisite: So 11 *3 semester hours*

So 162 Social Change and Social Movements

A course on patterns and factors underlying social change in contemporary society. Emphasis is placed on relating four major theories of Social Change — Cyclical, Evolutionary, Functionalist and Conflict — to current concepts of violence and non-violence in social movements (Political Movements: Student, Black and Women's Movements). *3 semester hours*

So 163 Research Methods I: Research Design

A study of nature and function of the scientific method as applied to the field of sociology. Particular consideration to specific techniques and tools used in behavioral research. Laboratory projects are part of the course.

Prerequisite: So 11 *3 semester hours*

So 164 Research Methods II: Statistics and Analysis

The course is designed to give a basic understanding and a practical application of the uses of statistics in sociological research. Particular emphasis is given to the non-paramentic tests of significance important for analyzing sociological data. The presentation is not mathematically oriented although a basic knowledge of high school algebra is assumed. Evaluation is based on three "mid-term" tests, homework problems and the final exam.

Prerequisites: So 11 and So 163 *3 semester hours*

So 166 Race Relations

An analysis of the sociological and social psychological dimensions of race relations and ethnic interaction. While the focus of the course will be on the American scene, problems of race relations in other parts of the world will also be examined along with their importance for world politics. What sociologists and social psychologists have learned about improving race relations will be considered. *3 semester hours*

So 170-171 Social Work I and II

An examination of the field of social work: its concepts, methods, and changing role in present day society; a related explanation of community resources, and how agencies function and change to meet the problems from early childhood to those of the aged, upheavals in family life, and special problems presented by urban living. (Restricted to sociology majors) *6 semester hours*

So 175 Sociology of Occupations and Professions

The social structure of occupations and professions, includes an analysis of the individual and occupational aspiration and choice, the relationship between occupation and the rest of society, and in-depth analyses of various occupations and professions. *3 semester hours*

So 181 Juvenile Delinquency

Within the parameters of Criminology the course looks into the various kinds of behaviors that are classified as delinquent. The problems of definition, of causation, of punishment, treatment or rehabilitation are explored. The major studies and authors that treat this subject are reviewed and discussed. *3 semester hours*

So 182 Criminology

This course examines the origin, causes and history of crime. It also explores current social deviances such as drug addiction, prostitution, etc. and their relationship to the law and the social structure. The control of crime and the agencies of control are also examined as well as the techniques of punishment and rehabilitation. Evaluation is based on three or four "mid-term" tests, research projects in a chosen field of interest, class discussions and participation, and the final exam. *3 semester hours*

So 183 Demography

Demography is the study of population distribution, characteristics and change. This course is a general orientation to population data, methods and problems. There is a special emphasis on methods of world population control and on social and political issues of population change. *3 semester hours*

STUDENT WELFARE—FINANCIAL AID

SCHOLARSHIPS AND GRANTS-IN-AID

President's Scholarships
Full tuition scholarships awarded on the basis of academic excellence and financial need to students seeking entrance to the University and renewable on condition of satisfactory performance for three years. Created by the President of the University in December, 1965.

Headmasters' Scholarships
Four full tuition scholarships awarded to a graduating senior of the local public and parochial high schools in the towns of Fairfield, Bridgeport, Trumbull and Stratford. Scholarships were created to begin September, 1965 by the President of Fairfield University.

John P. Gahan Memorial Scholarship
A fund donated by friends of the father of John P. Gahan (Class of '61). John P. Gahan was killed after one year in school.

The Edward F. McPadden Memorial Scholarship
Created by the sister (Anabel McPadden Davey) of Mr. McPadden who donated $10,000 for the fund.

Reverend John P. Murray Scholarship
A scholarship fund given to a member (or members) of the Glee Club. Scholarship was designated by the President of Fairfield University to begin September, 1965.

Simon Harak Memorial Scholarship
A $500 scholarship awarded annually to a member of the Fairfield University Glee Club in memory of Simon Harak, co-founder of the Glee Club. Scholarship established by friends and alumni of Fairfield University.

William T. Morris Memorial Scholarship Fund
A scholarship fund established to provide financial assistance to needy students attending Fairfield.

J. Gerald Phelan Scholarship
Donated by J. Gerald Phelan for a scholarship fund in 1964.

Dramatic Society Scholarship
A scholarship awarded to a member of the Dramatic Society in return for assistance to the Director.

William Cummings and Brothers Scholarship
A $15,000 scholarship fund established by Mary C. Cummings in January, 1968. Income to be granted to entering freshmen from the town of Fairfield.

Mechanics and Farmers Savings Bank Scholarship
A $5,000 fund established on the occasion of the bank's 100th anniversary available to residents of Bridgeport, Easton, Fairfield, Milford, Monroe, Stratford, Trumbull and Westport, Connecticut.

Carlson Scholarship Fund
$1,000 annually provided by the Carlson Foundation of Bridgeport.

The Frank J. Marchese Scholarship
$1,000 annually provided in memory of Frank J. Marchese, a former member of the Fairfield University President's Advisory Council.

The Arsene Croteau Family Scholarship
A $10,000 fund to provide a scholarship to a student at Fairfield University majoring in French.

Alumni Association Scholarship
A $2000 scholarship awarded over four years to an incoming first year student in the undergraduate or graduate school who is the son or daughter of a member of the Alumni Association. Interested applicants should contact the Director of Alumni Relations.

Fairfield University Scholarships and Grants
In addition to the scholarships listed above, a limited number of scholarships and grants are awarded by the University. Their number and stipend depend upon the current status of revenues from which they are drawn. Academic performance and potential, as well as demonstrated financial need, are the criteria used in determining the recipients. Most Grants-in-Aid are packaged with other types of federal aid.

FEDERAL GRANTS

Basic Educational Opportunity Grants
A federal entitlement program which provides grants of up to $1400 to eligible students who are pursuing their first baccalaureate degree.

Supplemental Educational Opportunity Grants
Outright grants from federal funds are made available to students of exceptional financial need who, for the lack of financial means of their own or their family, would be unable to enter or remain at Fairfield. The grants range from $200 to $1500 per year.

LOANS

National Direct Student Loans
Students who demonstrate financial need can borrow up to $5000 during their college careers. No payments of principal or interest are required until nine months after the borrower completes his education; at which time repayment at 3% interest is assessed. Repayment may extend up to ten years, depending on the amount borrowed.

Guaranteed Student Loan Program
Loans may be obtained at most banks in a student's home town under terms which are similar to those for the National Direct Student Loan Program. All arrangements for these loans are made with the lending bank.

CAMPUS EMPLOYMENT

College Work-Study Program
Jobs on the campus may be arranged for the students demonstrating a need for the expected earnings. Where possible the work assigned relates to the students field of study.

University Employment
Students who are not eligible for participation in the Work-Study Program, but who desire extra spending money, may obtain employment in the cafeteria, the bookstore, and several other campus locations.

APPLICATION PROCEDURE

Candidates for financial aid must complete their regular application for admission to the University. In addition, they should request an Application for Financial Assistance from the Director of Financial Aid. All candidates must also file a Parents' Confidential Statement with the College Scholarship Service. This form may be obtained at the candidate's high school and should be submitted before February 1 for freshmen, and before April 1 for other students.

Applications for the Basic Educational Opportunity Grant can be secured from high schools, colleges, libraries, and post offices.

DEGREES CONFERRED

May 22, 1977

Honorary Degrees

DOCTOR OF CIVIL LAW
William Homer Timbers

DOCTOR OF PUBLIC SERVICE
Vincent Albert Cianci, Jr.

Graduate School of Education

CERTIFICATE OF ADVANCED STUDY IN EDUCATION

J. Thomas Accuosti
Solomon B. Acrish
William Jacob Bechem
Carol P. Beck
Sherwood Jayson Bien
Edith Cogswell Boivin
Ann Stephens Brittain
Jane Brooks
Thomas J. Brown
Albert Michael Bushinsky, Jr.
Richard Drummond Campbell
Ilona Ann Carolan
G. Joseph Carpentieri
Lucia DiScala Carusone
Rafael Castorena Romero
Carmen R. Celentano
Joan Servis Clayton
Daniel Patrick Colburn
Mary Elizabeth Connell
Theodore J. Coppola
Joan Marie Crimmins
Carolyn A. Dickens
Alice Jean Di Vincenzo
Elspeth Hart Doenges
Lee Abbott Doodlesack
John Archer Dorland, Jr.
Eleanor M. Duplese
Robert James Ferrara
James Gerald Fitzgerald
Richard N. Fuller
Emil R. Gavenas
Jeanette A. George
Marianne Geuss
Robert Brian Glennon
Stephen Graeber
Bruce Robert Grenon
Carl R. Harvey
Sharon Harvey
Patricia MacBride Hendrickson
Kenneth J. Hitchcock
Ben Arthur Hunter
Dennis William Jontos
Margery Pond Juch
Jean B. Klein
Steven George Lauten
Robert John Loftus
Keith MacBain
Anthony P. Mancini
Ronald B. Maresca
Mary Powers Mullan
Peter William Murray
Harley M. McDermond, Jr.
Robert B. Nelson
Roy Edward Ogren
June Margaret Olah
Adeline D. Penberthy
Laura Strance Poston
Eugene A. Quarrie, Jr.
Marylin Ann Quilty
Barbara Weller Reynolds
Stanley Williams Rhodes
Howard M. Richelsoph
Neville Rosa
Frank Lewis Rota
Edward J. Rowe
James P. Sanogueira
Donald L. Sattler
Marjorie Arletta Schenk
Elaine E. Schiavone
Elizabeth Ann Schildgen
Ann Vardaro Simon
Margaret Hudson Stenberg
Howard Norman Stolzenberg
Terrence James Sullivan
Dorothy M. Haley Thomas
William Edward Turecek
Vincent P. Ursone
Barbara Ann Valentine
Shirley Gura Vechiola
Marija Venier
Eileen P. Wall
Aileen M. White
Patrick James White
Joseph C. Wolf

Degrees in Course

Master of Arts

Marcia Lee Abelson
Sidney Jay Abramowitz
Roberta B. Abrams
Wallace Ackerson
Leslie Hohn Adams
Joyce Adelman
Stephen B. Allison
Lucille Anderson
Eugene Edward Arendt
Ronny D. Bach
Barbara Joan Balamaci
Mary Ann Elizabeth Baldwin
David Armand Beaulac
Marilyn Marvel Behre
Catherine Kelleher Belanger
Gloria H. Belanger
Janis Lee Bender
Nellann Berg
Rod Berger
Susan Berthold
Deborah Ann Bezanson
John T. Bladel
Coleen C. Blanchard
Susannah Mitchell Braisted
Camille Brillon, S.S.A.
David G. Bristol
Billie Noel Brooks
Leila Brown
Lila L. Brown
Joseph Francis Budzelek
Sister Marguerite M. Bunter, S.S.N.D.
Kathleen Cerra Calderon
Francis Anthony Campagnone
Duane A. Cantor
Patricia A. Carney
Peter Joseph Carney
Carol Ann Carpenter
Anthony Richard Carrano
Joseph Terrance Casazza
Marie A. Cassetta
Louis A. Censullo
Frank J. Cesaroni
Sister Helen Chasse, R.U.
Irene Clare Chesire
Marilynn Chisholm
Frederick G. Choromanski
Martin Edward Churney, Jr.
Lajean Avery Clark
Barbara Ann Coleman
Carolyn Blackwell Coleman
Carol K. Conklin
Michael Conte, Jr.
Eloise Core
Bruce James Corrigan, Jr.
Richard Vernon Crane
Edythe Crawford
Gail George Crissey
Shirley-Jean Cross
Candace Dean Cudmore
Jennie Elizabeth Cuilwik
Anne M. Cunningham
Anne McElligott Curran
Margaret A. Dadakis
Donald F. Daley
Cynthia M. DaSilva
Patricia M. Davis
Frances C. DeLeonardo
Anita Demas
Virginia Maria Barone DePalma
Roberta Rose Desmond
Susan M. Devokaitis
Nancy Jo Marie DiNardo
Susan Ann DiPace
Jackie Keith Disher
Walter Domeika
Helen G. Donarum
Josephine Wilson Drogaris
Paul David Duddy
Mindi Sorell Dudley
Patricia Ann Durling
Donna Cape Eaker
Lisa L. Eastright
Beverlee Weiss Edelman
Julia Corella DeEricson
Richard A. Ericson
Evelyn M. Everson
William J. Fagan, Jr.
Maureen Anne Reilly Fahey
Anita N. Falzone
Donna Palaia Fasanella
Barbara Fechter
Joan Cunliffe Feeley
Marilyn B. Felix
Mary Elizabeth Fennell
Paul Anton Fetscher
Sister Madonna, Figura, SS.C.M.

Celinda Ann Finlayson
Jan L. Fiore
Sister Joan Flynn, R.S.M.
Dominic C. Francia
Kenneth N. Fredyna
Marilyn Lee Fried
Barbara Leavitt Fry
Dennis Charles Fulton
Gene J. Funicelli
Joan Gabelman
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Neal Jay Gallub
Miriam Garfield
Annie-Laurie Fagan Gaudino
Joseph Gerics, Jr.
Debbie Gerstein
Mulford B. Gibbs
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Marilyn Laufer Glogower
Sheryl D. Gluck
Harry Steven Gold
Ann-Ellen Goldfinger
Felice Goldstrom
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Edward Joseph Gombos
Lee Richard Goodman
Marcia Joy Gordon
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Stephen Wesley Gunderson
Kathleen Sweeney Hammond
Janice Lynn Vigliano Hardy
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Christa Maria Hary
Karen Ann Healey
Helene Gail Heimer
Jane S. Herrmann
Steven Herstatt
Elaine Heymann
Sylvia K. Hildred
Janet Le Beau Hill
Laurence Hirsch
Gail Hine Holder
James Peter Honeycutt
Maria A. Honorowski
Sheila Irene Howard
Rebecca Yard Hulford
Jeanne A. Hull, P.V.M.I.
Maryellen McDonough Humann
Shirley Babin Hunter
Carol S. Jacobs
Patricia J. Jennette
Robert Vincent Jerome
Ray Josell
Eunice L. Joskow
Sister M. Eymard, Kalisz, C.S.F.N.
Dena M. Kaplan
Sheryl W. Kayne
Therese Kelly
Sister Catherine Kennedy
Sister M. Regina Francis Kennedy
Nancy K. Kienzle
Edward Joseph Killion III
Annamarie D. Kinsella
Sister Catherine Gerard Kirchner, O.P
Karl Joseph Klein
Sharon Ann Kluchnick
Sister M. Renata Komorowski, C.S.F.N.
Helen J. Kovacs
Linda R. Kravitz
Babbara Irene Krell
Hedwige Louise Kuepper
Joan Martin Laird
Roberta C. Lambert
Tanya A. Lampert
Marianne Regina Lang
Vicki B. Langenmayr
Linda J. Lapin
Margaret C. La Torraca
Patrick A. La Velle
Eric Martin Lazere
Marie O'Brien Lee
Patricia Anne Lee
James Edward Link
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Dianne M. Lucy
Bro. John J. Lynch, C.F.C.
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William Fred Manfredonia
Elizabeth D'Angelo Mannocchi
Stephen Alexander Mannocchi
Alice Lackey Manus
Carl V. Marcolini
Jean Daniels Marconi
Selma Marcus
Ralph Vincent Mastrangelo
Barbara G. Matlow
Kenneth J. Medve
William C. Merrit
Phyllis S. Meth
Janet Mielcarz
Gloria Joy Miller
Kay Marilyn Miller
Anthony Thomas Minotti
Sister Ann Rose Misho
Eileen L. Monroe
Ruth G. Moran
Barbara T. Morris
Joan V. Morrison
Lilian B. Mullane
Sister Patricia Murphy, S.S.N.D.
Barbara Brennan McDonald
Mary D. McKenna
Mary Beth McKenzie
James Hugh McLaughlin
Susan Easterbrooks McMahon
Nancy C. Nancarrow
Patricia J. Nash
Laurie Jean Nathanson
Sister Carol Ann, Nawracaj
Frances Neill
Lynn H. Nesshoever
Victor Joseph Nicholas
Deborah J. Nickerson
Lee M. Nordin
William R. Norko
Dennis M. O'Brien
Richard J. O'Connor
Patricia Michaele O'Day
Janet Mary Olson
Terence Patrick O'Neil
Philomena Lotito, Panzarella
John Cosmo Panzetta
Sister Emelda Parent, D.W.
Anne Vogelsang Pazar
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Nancy Perricone
Valerie Jo Perry
Nicandra Mary Perusi
Francis Pfeiffer
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Bette-Jane Reichelt
Janet Harper Remenyik
Kathleen Mary Rice
Nicole Richer
Winifred Adams Rider
Ann Harrison Roberts
Jeanine Marie Roberts
Gregory Bruce Robinson
Nina A. Robinson
Sister Regina M. Robinson
Allen Robles
James T. Roche III
Roman Rodriguez
Sister Ruth Ann Rogozinski
Francis James Romano
Roger Francis Romeo
Jane Romer
Carol C. Roper
Elizabeth Anne Rosson
Irma J. Roth
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Michael Anthony Robert Ruggieri
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Linda Rose Schneider
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Margaret D. Shertzer
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Kari Lee C. Sitzler
Sara A. Skibo
Robert Anthony Slavinsky
Doryce R. Smelter
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Elsie Tangard
Rebecca Ann Tanner
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Sally-Ann Tisi
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Robert Paul Vincze
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Hannah R. Wayne
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Frences P. Weiss
Deborah Edith Wheeler
Barbara May White
Richard J. Wilkison
Arvilla Kendall Wubbenhorst

Graduate School of Corporate and Political Communication

MASTER OF ARTS

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C. Donald Cook
David Duffner
Ann Todarelli Ferris
Willard Foster
Carole Lamour Frankel
Howard Gaynor
Linda Paige Giorella
Joanne Marie Gula
Githa Hariharan
Edward G. Hazen, Jr.
John R. Healy
Karen G. Klebe
E. Theodore Kolota
Mary Ann Frances Krysiuk
Michael Joseph Kukiel
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Anthony Joseph Lugris
Millie Rose Madrick
Arland R. Meade
Raymond Arthur Messecar
Joseph F. Michaels
Marilyn Ruth Morris
Sharon Kara Muller
Jay Cook McClure
Oliver G. McLean, Jr.
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John Matthias Rabuse, Jr.
John S. Radice
Lawrence Brian Rifkin
Glenda Williams Rowe
John Steven Ruehl
Larry H. Shrednick
Roy Kark Smollan
Rev. Raymond F. Sullivan
Frank N. Valente
Warren S. Van Deventer
Don V. Williams

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Drucilla Ann Buonaiuto

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Eileen Veronica Kalinowski
Robert Richard LaRocca
Rosalie Katherine Lucifora
Katherine Ellen McMahon
Ronald Louis Mongillo
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James Patrick Horahan
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Sandor Nagy, Jr.
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Christopher Francis Sacchi
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Dominic Autuori
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Cecilia Margaret Baldauf
Roger C. Baransky
Robert John Barry, Jr.
Janet Lee Bartelmo
Elizabeth Mary Behnken
Jane Marie Bellizzi
Brenda Bernice Bergen
Susan Elizabeth Bergeron
Thomas Joseph Bianca
Richard James Bogart
Margaret A. Bortz
Nina Marie Borzilleri
Coleen Anne Boyle
Edward Joseph Brachocki
Catherine Caroline Brannelly
Michael Eugene Brannigan
Robin Joyce Braun
Peter Joseph Brewer
Kenneth Brown
William Eutimio Bruno, Jr. (Classics)
John Fred Brunoli
Stephen Angelo Butera
Julio A. Cadenas
Sharon Anne Cain
Susan Anne Cambria
Francis John Cantrel, Jr.
Mary Elizabeth Card
Jeffrey Michael Carlson
Wendy J. Carpenter
Pamela Ann Carr
Paul Joseph Carr, Jr.
Warren Frederick Carter
Barbara Ann Cartwright
Kim Christine Casey
Paul Thomas Charniak
Debra Lynn Chester
George Michael Chesterman
Linda Rose Christiani
Anastasia C. Christoforides
Robert B. Ciccone
Nancy Lynn Cipriano
Eileen Marie Clancey
Susan Clark
Eileen Cleary
Patrick John Cleary
Thomas Francis Cohan, Jr.
Michael Gerard Collins
Gregory Steven Compton
Brian David Comer
David Joseph Conners
Gerald Edward Connor
Roger Thomas Connor
Kathleen Mary Conroy
William Arthur Coppel
Robert Edward Corley
Katharine Brooke Costello
Mary Ellen Costello
Timothy David Cox
Homer James Crepeau
Maureen Josephine Croasdale
Kathleen Ann Culliton
Brian Patrick Cunningham
Toni Marie Cuzzocreo
Theresa Benedict D'Alton
James Christopher Daly
Maryellen D'Amico
Carol Davis
Diana M. De Paola
Jon Andre DiGesu
Karen Marie Donat
Patricia Eileen Donnelly
Anthony Joseph Donofrio
Paula Marie Donovan
Janet Rose Doyle
Brian Patrick Duffy
Diane Mary Dusick
Kathleen Marie Dwyer
Richard Francis Dwyer
Joseph Michael Ercolano
Pauline Marcia Maloney Evans
Margaret Evrard
Virginia Ann Faber
Catherine Mary Fahey
Martin Michael Falaro, Jr.
Richard John Falzone
Michael J. Farren
Linda Lee Federici
Mark Philip Feinberg
Elizabeth Ann Feind
Andrew Kramer Fellows
Barbara Gail Ference
Helen Claire Ferguson
Michele Desiree Fezza
Barry Anthony Figueiredo
John F. X. Finn
William Timothy Finnegan
Kevin Paul Fitzpatrick
Ann Catherine Fitzsimmons
John Newman Flanagan
Antoni Flores-Fraser
Robert Michael Flynn
John Charles Francolino
Jane A. Franks
Denise Maureen Fraser
Stephen Anthony Gabriel
Susan Marie Gaffney
Carlos Gasparian
Karen Ann Genuario
Pamela Diane George
Mary Louise Gerspach
Angela Marie Gillen
Mary E. Giuliano
Barbara A. Goglio
Robert Thomas Goldstein
Stephen Gordon
Robert Walter Graczewski
Suzanne Coady Graham
Michael F. Green
Thomas Raymond Greco
Linda Marie Gurrieri
Robert Charles Hailer
Gregory Edward Harmer
Suzanne Elizabeth Hayes
John Joseph Heaney
Holly Moira Hedin
William James Hennessey
Mary Patricia Hicks
Frederick Albert Hill
E. Peter Holland
Jeffrey Martin Holman
Kimberly Ann Hugret
Elizabeth Anne Ince
Patricia Ann Iwanicki
James William Johnson
Frank Calvin Johnston
Anita Larraine Jones
Kevin F. Jost
Ellen Jane Joyce
Eileen Vera Kalinowski
Cynthia L. Kalleher
Robin Lynn Kammritz
James William Kane II
James Richard Kelly
Kevin Patrick Kennedy
Michael Joseph Kirkwood
Michael Joseph Kitson
Robin Debra Klahr
John Anthony Klimas
Carol Lynn Krivick
Pat Labbadia, III
Penny Anne Lacey
Barbara Marie Langdon
Robert Ben Lawson
Dominick Francis Lepore, Jr.
Carl John Levantino
Kimberley Ann Loftus
Ronald Joseph Lombard
Gerald Angelo Lombardo
Laurie Elizabeth Lopez
Kathleen Lyons
Michael William Lyons
Steven Brian Machuga
Patricia Ann Mackin
Barbara Ann Mahan
Mary Ellen Maher
Nicholas Charles Maida
Thomas Henry Maikowski
Eileen Marie Manning
Thomas Joseph Martocci
Vincent Saint John Masi
Patrice Lorraine Massa
Frances Martine Matone
Michele Elise Mattera
Shaun Michael McAleenan
Ricky Vaughn McBride
Lynn Margaret McCarthy
Alice M. McCormick
Lucille McCormick
Anthony Michael McDonald
Elizabeth McDonald
Doreen Ann McFarland
Thomas James McGlynn
Megan Marie McGowan
John Frederick McGregor
Kathleen M. McInerney
Nancy Katherine Meddaugh
John William Megaw
Katherine Anne Merva
Anne Mary Milligan
Faith Anne Molzon
Paul Andreas Mommsen
Lynn Mary Ann Murphy
Linda Ann Murray
Blanka Nedela
John Michael Neville
Elaine Marilyn Nuovo
Sally Marie O'Brien
Ulf Thomas Odeen
Kathleen O'Hara
Patricia Ann Olender
William Michael Olivier
Joseph S. O'Neill
Mark William Opila
Antonio Ortiz
Catherine Ostermeyer
Mark Joseph Ostrowski
Carmen John Pagliarella
Mark Elvin Parks
Heather Jean Paton
William Terence Pfeiffer
Karen Anne Powers
William Edward Powers
James Paul Prendergast
Dennis Francis Pukavich
William Ryan Purcell
Marguerite Ellen Raimondi

Randal August Ranaudo
Elizabeth Mary Regan
Jane Rehanek
Patrice Louise Reinhard
Mary Jo Renzi
Frank Robert Richters, Jr.
Mary Cecilia Siobhan Roche
Emily Mary Roest
Robert Francis Ross
Stephen Thomas Rossi
Madonna Anne Sacco
Jeffrey Harris Samilson
Christopher George Sattler
Zophora Patricia Kathy Saunders
Virginia Lee Savastano
Anthony Francis Scelza
Karen Ann Schlamp
Nancy Ellen Schmitz
Raymond Eric Schwartz
Joseph Edward Serzan
Karen Anne Shannon
Corey Charles Shaw
Gail Ann Shaw
Michael Brant Shelburne
Martin Lawrence Simmons
Patricia Carol Skocypec
Vincent Gregory Slowey
James Patrick Smith
Stephen William Smith
Thomas William Smith
John Brian Sogliuzzo
Camille Marie Soriano
Frederick James Sorrentino
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Maureen Elizabeth Spangle
Susan Ann Spicer
Jana H. Standish
Elizabeth Terese Steffany
J. Karen Steinke
Andrew Paul Storm
Cloria Jean Straborny
Kathy Sue Stonkas
Frederick Michael Strype
Paul Emmanuel Sullivan, Jr.
Barbara Ann Sundman
Michael Joseph Sussky
Renne Roberta Sutkowski
Trudy I. Swenson
Herbert Stanley Thatcher
Marc Richard Turcotte
Lisa Ann Tutundgy
James Brian Umbdenstock
Robert David Unites
Douglas Edward Van Reeth
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Janet Anne Wagner
Edward Vincent Walsh, III
Kevin Walsh
Maryellen Walsh
Jeanne Mary Ward
Stanley George Warzecha, III
Edward Henry Wassermann
Maryann E. White
Lawrence John Wielk
Wendy Woods
Stephen John Zaccaro
Mark John Zaniewski
Lisa Blair Zimmerer

BACHELOR OF ARTS

(Bachelor of Science in Engineering Awarded by University of Connecticut in Joint Program)

John Frederick Forino
William Arthur Marshall

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Laura Jean Ambrose
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Richard John Augustus
Peter Anthony Aurigemma
Michael Paul Baldassarre
Ronald Brian Baransky
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John Peter Besso
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Mary Ann Boilard
Dianne Angela Boria
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Michael Adam John Brajczewski
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Kerreth Wayne Brooks
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Pierce Leo Butler
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Ronald James D'Andrea
Rita Ann D'Apice
Suzette M. DeWolfe
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Craig G. Dugan
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Michael Anthony Fabiaschi
April Anne Bernadette Faust
James Patrick Fields
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Gerard John Giambalvo
Charles C. Gill
Nicholas Patrick Gill
Joseph Anthony Giovaniazzo
Eugene John Grasso
John William Gray
Carol Ann Grosso
Mona Eid Hanna
Kevin Norbert Hansen
Thomas Francis Harrington
William James Hawk
Todd Eric Helin
Eugene Joseph Helm
John Francis Hendricksen
Felicity Anne Hope-Ross
Wayne Martin Howley
Robert Carl Hultgren
William John Hunter
John Peter Iannarone
Kathryn Marie Jerothe
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Lisa Mary Koehler
John William Kohaut
Henry Michael Kolbusz, Jr.
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Mark Joseph Krzyston
Deborah Irene Kuba
Robert M. Kulikowski
Leon Joseph Kurdziel
Debra Ann Kurtz
Geoffrey Larkin
David Paul Libassi
Joseph J. Liguori
Patricia A. Long
Leo Brian Lukowski
David Michael Lutar
Mary Debra Maiella
Teresa A. Mandel
Ernest Eugene Marsh
James Robert Martino
John William Martinsky
Doreen Marie Matthews
Kevin Ronald Mayes
Paul Andrew Mazzeo
Connie Jean McComb
Margaret Rose McGlade
Tracy Marie McGuinn

Jeanne Alice McKenna
Thomas C. McKeon
William Leon McNulty
Thomas Joseph Mercolino
David Paul Mezias
Philip A. Micalizzi
Jeffrey Alan Mink
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Maven Jonell Moore
Michael Francis Morra
Leeanne Morrisroe
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Sandra Beth Myers
Francis Marc Nardi
Maureen Ellen Naughton
Leo John Nolan
Rosemarie Vera Novelli
Timothy Charles O'Rourke
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Barry S. Patterson
John Hobart Payne
John Anthony Pekala
Nancy Jean Pranulis
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Mary Louise Reilly
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Stephen R. Rezendes
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Stephen Joseph Rogan
Rocco Joseph Rossetti, III
Paul Mark Rotunda
Marybeth Grace Ryan
Richard Frank Salinaro
Joseph F. Scarano
William Francis Schmitt
Valerie Ann Scimia
Evona Maria Scott
Robert Francis Sexton
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Haddy Bintou Sillah
Edmund G. Siragusa
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Karen Romel Stabile
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Maryellen Weber
Wayne Walter Wielgus
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Deborah Ann Wilson
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John Joseph Zinser, Jr.

SCHOOL OF NURSING

SUMMA CUM LAUDE

Grace Marie Zoltowski

CUM LAUDE

Linda Maureen Condon
Catherine Ellen Florio
Diane Germaine De Bartolomeo

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Susan Renee Aloise
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Eileen Patricia Bishop
Stephen John Boccuzzi
Christopher Milford Cannon
Marie Geralyn Carten
Cheryl Ann Carusilla
Sylvia Marie Cirkot
Mary Elizabeth Conners
Cathryn Mary Cortissoz
Kathleen Ann Courtois
Anne Elizabeth Durkin
Lynn Marie Failla
Catherine Ellen Florio
Christine R. Hassett
Ruth Ellen Hayes
Maureen Frances Henry
Kim Michele Hutchinson
Linda Ann Iadorola
Paulette Driend Karmazyn
Mary Elizabeth Keck
Mary Christine Kuzas
Colleen M. McMurray
Marcia McNaughton
Patricia Ann Mead
Susan Mary Moran
Catherine Ann Morton
Noreen Anne Nemeth
Debra Joyce Norell
Marie Elena Nuzzi
Ann-Marie Orchard
Frances Panzarino
Loretto Agnes Smith
Nora Marie Sposato
Kathleen M. Starick
Susan Marie Walker

UNIVERSITY ENROLLMENT

1976—1977

SUMMER SESSION 1976	MEN	WOMEN	TOTAL
Graduate Students	282	801	1083
Undergraduate Students	169	158	327
TOTALS	451	959	1410
CLASS ENROLLMENT			
College Arts-Sciences			
Freshman	388	316	704
Sophomore	368	268	636
Junior	340	265	605
Senior	331	228	559
Special Students			
Part-time	(9)	(7)	(16)
School of Nursing			
Freshman	2	42	44
Sophomore	3	41	44
Junior	0	43	43
Senior	2	38	40
UNDERGRADUATE TOTAL	1434	1241	2675
Center-Lifetime Learning	273	380	653
GRAD. SCHOOL OF EDUCATION			
Full-time	13	23	36
Part-time	346	845	1191
Total	359	868	1227
GRAD. SCHOOL-COMMUNICATION			
Full-time	16	23	39
Part-time	72	68	140
Total	88	91	179
GRAND TOTAL—FALL 1976	2154	2580	4734